

# Work Log

July 1, 1994 -

~ mid May 1995

July 1 3:45- 8:45

use 1.5 to make up  
@130

continue work on monthly

Flux testing w P-10

- to access 1994 data;  
copy SB#PR, fluxcat to pioneer-fluxcat + backup
- install responses from .2 offset
- submit 3Q87 + 1Q94 runs w "old" + .2 off bins  
Fmcd wanted ch 9 → 13 = 128.08-210.9 for new bin

if flux(new) is  $> .75$  of old increase offset  
 $< .75$  " decrease offset

	old		.2 offset		
H	120.7-227.3		128.089-210.9		
3Q87	$5.341 \times 10^{-4}$	$9.0 \times 10^{-6}$	$4.510 \times 10^{-4}$	$8.5 \times 10^{-6}$	84%
1Q94	$2.628 \times 10^{-4}$	$1.0 \times 10^{-5}$	$2.145 \times 10^{-4}$	$9.0 \times 10^{-6}$	82%

decided to do one run with zero offsets

reinstall ~~0~~ zero offset HPFB H

submit 2 test runs 17, 94 data

H	125.7-203.1	zero offset =				
			$4.827 \times 10^{-4}$	$9.1 \times 10^{-6}$	3Q87	90%
			$2.297 \times 10^{-4}$	$9.7 \times 10^{-6}$	1Q94	87%

try with 0.4 EC offset:

H	130.451 - 218.742	=				
			$4.230 \times 10^{-4}$	$8.0 \times 10^{-6}$	3Q87	79%
			$2.012 \times 10^{-4}$	$8.5 \times 10^{-6}$	1Q94	77%

"old" fluxes for 120.7-192.3 MeV (ch 9 (13))

1Q94	$2.481 \times 10^{-4}$	$(1.0 \times 10^{-5})$
3Q87	$5.216 \times 10^{-4}$	$(9.8 \times 10^{-6})$

1.04 =  $\frac{1}{\cos 16.5^\circ}$

V4.3

July 5 2:30 - 8:50

P-10 fluxes from .5 ch offset in calibration

131.632-222.663/3287	$4.102 \times 10^{-4}$	$7.7 \times 10^{-6}$	77%
11294	$1.952 \times 10^{-4}$	$8.2 \times 10^{-6}$	74%

Fmcd came - wants .55 ch offset - done + fluxes made. Ran 2 fluxes (galactic) He said accept .55 + make old + new spectra (p, x) lists + plots

deliv - 4 Ace plots, 3 pages listings old + new spectra, p, He, 3287, 1294

loose strings

- vs. dbg8. source test genpha (June 13) from file read mainframe version - Henry - does that exist?

JCL :

DBG8. CNTL ( \$RUN(94)

Load module =

XRHL.UNIX.DBG8.LOAD (TESTNEW2)

Can't SU anywhere? sent rob a questionnaire?

downloaded MCDTRACK

July 6 1:30 - 7:30

Rob did change passwords, but intended to let me know.

Fmcd - go with calib  
additional times -

old + new

Jan 10/87 - 12/5/87

1/1/78 - 4/1/78

} setup & run  
PFTEST 78, 87 members  
of MCDTRACK  
4 Ace plots

Deliv

( Set P-11 w .6 offset + Start it in  
HPFB

finished monthly

can do Spectrum convert (Ace) + download  
to MCDTRACKSCR via MFIXPRE clust  
with 'add' function

P-11 Mev/channel from Matrix Consistency run:

A	12190	897.02
B	2110	864.26
CI+CF	1.1370	4657.15

#SMEV

July 7 3:25 - 9:20

+ .1 of 7/5

eliv

Fmcd called - wants H, He only 78, 87, 94 ( $\rightarrow 6/3$ )  
spectra 2 Ace plots made after Flux Mono.  
[redid 78 time data - the SE was not done!]

ran PG .6 offset iteration for P, α & submitted flux runs for galactic style bins.

\* In install where BXGNEW track starts w a larger Ec channel than orig - perhaps should put in 2400.00 as value - zeroes are getting into table + channel limits are not changed. Fixed INSTHOUR

(the 78 time is not quiet)

.6 offset fluxes

74%<sub>0</sub>

136.84 - 218.14 H

$1.997 \times 10^{-4}$  ( $2.0 \times 10^{-6}$ )

181.99 - 467.06 He

$3.290 \times 10^{-5}$  ( $4.0 \times 10^{-7}$ )

92%<sub>0</sub>

181.99 - 418.92 He

$3.429 \times 10^{-5}$  ( $4.5 \times 10^{-7}$ )

'old'

125.6 - 190.6 H

$2.498 \times 10^{-4}$  ( $2.4 \times 10^{-6}$ )

182 - 428 He

$3.717 \times 10^{-5}$  ( $4.6 \times 10^{-7}$ )

125.6 - 233 H

$2.684 \times 10^{-4}$  ( $2.1 \times 10^{-6}$ )

July 8 2 - 7:35

deliv

modify 3-time PF plots as Fmed indicated  
2ACE add tray, delete pts. etc

He left some P-II/V2 & PII/P11 spectra to use in further P11 HPFB work.

I ran the 88 time pd for P11/V2 processed for ACE, downloaded & plotted results - Not bad for 1st iteration. [PGTEST, V2TEST in MCDTRACK]

edited fax headers for Marie/Fujii stuff

Fujii wants to come next Tuesday 2 PM →

Faxed to Marie + Eumer/Winne for 24-17 update

times  
P-11  
Calc comparison  
w P10, V2  
fluxes  
ACE  
(del + new)

sent new direct deposit form to Jeff Boyd

July 11 3:20 - 10

sent Ken the chits/mail of @eDEDIT as 1st example for him to Perlize!

deliv

ran 73, 74 time pds PG, PF w current calibrations, converted + downloaded for Ace + plotted. Fixed Emcd 13 plot pages showing H only, He only for the 88, 73, 74 periods v2, PF; PF, PG as he gave me last Friday. (made \$SUBPI to handle 'old' + 'new' spectral dsn's better)  
now setting up to run those times with the Galactic Style bins!

spent some time w Johns p.01 re V processing problem (editscan flags all records)

P-11 73 time new

80% (125-190) 36.84 - 218.14 H  
73% (125-233) 181.99 - 417.92 He  
91% 181.99 - 467.06 He  
88% old

~~old~~  
 $1.523 \times 10^{-4}$  ( $1.3 \times 10^{-6}$ )  
 $3.097 \times 10^{-5}$  ( $3.3 \times 10^{-7}$ )  
 $3.003 \times 10^{-5}$  ( $30 \times 10^{-7}$ )

125.6 - 190.6 H  
182 - 428 He  
125.6 - 233 H

$1.904 \times 10^{-4}$  ( $1.6 \times 10^{-6}$ )  
 $3.394 \times 10^{-5}$  ( $3.4 \times 10^{-7}$ )  
 $2.093 \times 10^{-4}$  ( $1.3 \times 10^{-6}$ )

also see page 171, 2 for more work

P-11 88 time

~~note~~

old 125.6 - 233 H  $2.939 \times 10^{-4}$  ( $3.8 \times 10^{-6}$ )  
 182.6 - 428 He  $4.233 \times 10^{-5}$  ( $8.3 \times 10^{-7}$ )

70% New 136.8 - 218  $2.071 \times 10^{-4}$  ( $3.4 \times 10^{-6}$ )  
 93% 182 - 418  $3.941 \times 10^{-5}$  ( $8.2 \times 10^{-7}$ )  
 89% 182 - 467  $3.745 \times 10^{-5}$  ( $7.2 \times 10^{-7}$ )

P-11 74 time

old 125 - 233 H  $2.444 \times 10^{-4}$  ( $1.4 \times 10^{-6}$ )  
 182 - 428 He  $3.631 \times 10^{-5}$  ( $3.3 \times 10^{-7}$ )

73% New H  $1.791 \times 10^{-4}$  ( $1.3 \times 10^{-6}$ )  
 91% He  $3.32 \times 10^{-5}$  ( $3.2 \times 10^{-7}$ )  
 87%  $3.214 \times 10^{-5}$  ( $2.9 \times 10^{-7}$ )

perhaps back off 0.1 channel?

July 12 1:45 - 8:50

Fuji visit 2-5 PM he requested much redo data because of HPFB recalib.

deliv  
2 stack  
 FMCD wanted 3 times PF (78, 87, 94) plots  
 Stacked He H. I did them & gave to Fuji  
 before he left.

check out yearly PF spectra redo first:  
 fuji data copied to fuji 93. data

editing fuji. data members

PFUSE (bins)  
 \$BDRVFLR (new DS value)  
 \$FLUXP refer to test flux catalog  
 \$GETP → "FB" replaces "FA"  
 in naming.

Deliver submitted 77 → 93 yearly spectra for PF these all ran  
 & processed into 'FB' similar names to 93 data in fujii.data  
 Fujii daily box 409 77-84 is in MCD FUJII.data  
 both FLUXTNN and FLUXTNZD were run  
 mailed above to fujii

developed I8 yearly spectra method -  
 need to check bins for voyager match  
 before I mass produce the data.

check OI873 for bins

July 13 4:45 - 7:45

Talk to Nand about progress.

Maybe John can do response pgm. OR  
 local plot w Ace conversions of production fluxplot  
 stuff.

Nand wants me to go ahead & start downloading the  
 untree - make initial decision on file structure  
 but be flexible on ~ 1/2 of it, so reorganizing  
 can be done.

fujii requests daily on I8 BX409 for rest of I8  
 lifetime - files setup & subbed

\* need to check oxygen reliability for I8 for  
 fujii work & add bins (YOK) to spectra to  
 get yearly spectra he wants.

July 14 3:25 - 10:55

Forwarded Bob's comments on IV oxygen to "fujii"  
 " Ace print info  
 " 73-76 daily box 409 "

6 files }  
 deliver

Other data was 26 day averages! resubbed jobs (2)  
 finished + mailed to fujii

Our tape drive is messed up - sent mail to Rob +  
 also did initial directors, allocations for  
 Storage units.

Mainframe down 5:30 - ~ 8:30 PM

Took John off IMP FLUXPLOT work - +  
 asked him to develop monthly analysis  
 locally - sent mail about spectra +  
 automatic FTP stuff + Ace command  
 line execute examples.

We may be on another machine in the  
 NEXT FISCAL YEAR. I should probably  
 → disk the SMCT data soon for the  
 IMPS. (even if we redo GenPHA, the  
 counts data is not going to change)

⇒ flux redo too!

I may make the disk read FLUXPLOT  
 get its filename input from a list of  
 names inv-time order.  
 assumed

Checked all26day.data (\$allring) to get  
 Fujii 26 day averages (old HPFB pioneer dttk)  
 into rung26.data - Sent fujii mail  
 updated all26day.notice

submitted yearly IS spectra (w/o 0x16)  
 73-94

left request for John to do new P-10 high H<sub>1</sub>H<sub>2</sub>  
 lifetime run.

-45m July 15 3:30 - 9:15

prepared IS yearly spectra + mailed 73-93  
 94 had a problem (ds name conflict?)  
 redoing;

prepared M/G Clist for flux submits  
 - do I do anything w/ PROTON2 + ALPHA2?  
 their energies are the old ones in the new  
 test run. \* may need revised bins (see p.o.)

\*  
 John's 26 day avg run failed - I probably  
 need to copy the production flux cat into my  
 test cat and re-install new stuff -

box of voy386 w/o pow off didn't reset tape drive  
 began work on fixplot.diskvsn

July 18 @ 7:30 - 10:05

use 35m to help make up  
7:15

had to turn SPARC2 power off to get tapedrive back -

Hand phone message - yes - do same energy calib  
overlay for PROTON2 + ALPHA2 for Pioneer  
changes.

mainframe network access is down

<http://newproducts.jpl.nasa.gov/sl9/sl9.html>

JPL

<http://ra.slsci.edu/EPA/Comet.html>

Space Telescope Science Institute

Shoemaker-levy

Mosaic  
WWW

NCSA what's new

SpaceLink, msfc.nasa.gov  
newuser password

205-895-0028  
modem

Go to Shoemaker-levy

July 19 4:30 - 11:05

Amanda didn't think tape was on-line }  
I did std2 backup as SU + it seems to  
have worked  
re-put tape in for Amanda

verified GR+M bins for fujii runs.  
 copied P10 fluxcat into my testcat & re-  
 installed P10+P11 HPFB work. Added P-10 PRISON2  
 & ALPHA2 installs. left John note about  
 production update to my testcat so he can  
 finish the 26 day avgs. Also talked about  
 & asked him to add them to his bin cards.

submitted all fujii M+G runs

customized 'get' function lists for new fujii  
 fluxes  
 \$\$DRIVER in Fujii.data  
 \$\$\$GET  
 \$\$\$GETP2  
 rna in my lib.list

working on fluxplot.diskusr  
 FLXPMT & replacing CATSWP function

P10 flux jobs need oxygen moved so pioplot  
 will work correctly - credit flux jobs

July 20 3:50 - 7:55

reprocessed fujii data & mailed him note about  
 it being available - one oxygen is sorted  
 out of place, tho (??) from pioplot2

fluxplot work

July 21 1:50 - 7:50

Imp FLXPLOT vsn all day

Fujii Monday: 2 PM

July 22 2:35 - 10:35

Fmcd FAX

Imp disk vsn debugging begins

[ 1978 IS yearly spectrum for  
Fujii probably didn't work right  
redo in a different way

\*\*

see Fujii.data (IS SPEC 78) mailed new  
spectra to him mcd Fujii.data \$mailn, PI 878 n

fax: MCDimp26 Fmcd 1,2,3,4 => OFmcd 1,3,3,4  
Created & submitted jobs & got getdata results  
see Fmcdcom for info on 1 see part  
het I drops out for AST in early?

ICSpec → IC bins (put this in  
bin cards & flxplot proc on Monday)

Fujii 2 PM Monday

July 25 1:45 - 6:15 quitting <sup>back very sore & sick feeling</sup>  
<sub>(is this a bacterial infection?)</sub>  
Fujii visit (more requests)

\$VII → \$VIII members - jobs (5)  
 Submitted [thunderstorm - we had to logoff]

FORTTRAN READ (even using OPEN + FILEINF)  
 is always VS (NAND)  
 try character only READ in - it should  
 WORK (won't it still expect a length  
 descriptor?)

July 26 3:10 - 10:40

did do fujii visit → (small 4) if fujii data  
 yearly spectra 93, v1, v2  
 mailed the 5 v1 times (old gradient times)  
 spectra to fujii, after doing getdata's  
 fujii data (011124 →)

did chvspect for Fmed fax request →  
 mcdimp26. SCRATCH.

Finish setup of 15cc + subbed plot jobs  
 made \$B get + \$B get ic in mcdimp26 data

thinking about how to generalize the automatic  
 FTP procedure.

from mail I made for John

) use MCDTRACK (MFXPRE)

MFXIP

MFXIPA

\$FTP1 386

\$PAMS 386

X4 Ken is translating Assembly to C

Initial IMP-8 FmCDI-4 of MEDIMP26 data runs (match IC times in plot ex) used 720 min as acut time - discovered in plotting that that value was giving rise to large error bars again.

Run w 1440.

Also the 3rd period had a rate blip in pen data which I had to find + eliminate (via input cards).

plots of IS data only lost 1 or 2 points - this is better.

Ran IC anew w het I bins + made plot comparisons

\* 27-42 + 42-58 pts of IASP can be deleted + then IASP  $\approx$  IAST it seems

July 27 12:40 - 7:10

John had plm w V2 edit scans - it turned out to be error in JPL clist - which was not branching to Voyager 2 process clist + giving no indication of an error.

Finished IC/IS series of plots of the 4 times (July 21 dated fax) + faxed 16 plot comparisons to FmCD

delivered  
16 plots

985 225 216 are  
only 886693888 by +04 available of

985 22112 are not there?

this is  $\frac{1}{10}$  of the disk  
is the system effectively going to take  
1 GB of our storage?

Nand will reset voy1 to make more space  
available since these disks are archival media  
of limited # files

We talked about a verify procedure for  
downloaded files  $\rightarrow$

unitree  $\rightarrow$  mainframe  $\rightarrow$  lselect volume range  $\rightarrow$   
local  $\rightarrow$  disk file

$\rightarrow$  .iebcmpr of two files

$\leftarrow$  notify local of result

compress  
local  
file

$\downarrow$   
ready for next one

July 28 2:20 - 7:50

Fmcd call - replot all w BST I only of or 1c

deliv 12 plots Acc 727MeV X min

begin monthly

+Y4 ✓

July 29 6PM → 12:15AM

finished monthly

Henry's DBG8 file read vsn on mainframe

\$RUNY94 in his DBG8.CNTL (module testnew2)

a build for a "testnew1" is in \$BUNIX1

Henry's vs. utility source (newcat) is catalog with character+4 definitions

only the main pgm uses FTIO } you are single filed  
POSN is never usedhis TESTNEW2 in SB#1M.VS.DBG8.SOURCE  
appears to have disabled all tape and  
catalog accessing.Q&D GENPHA [ TESTDBG8 ] → A94 output files  
GGENPHA [ PASDBG8 ] → B94modified <sup>main part of</sup> GGENPHA to work like <sup>main part of</sup> GENPHA but  
SUM MACRO still has ONOFF TEST right at  
beginning  
this change <sup>→ C94 files</sup> recovers the lost data (as  
indicated by Forced off summary statistics)I.E. the position of the ONOFF test in SUM  
is NOT the problem, but bypassing  
pad in summing in the main program is  
a problem [as GGENPHA was originally written  
to do].[ The code could get random 'offs' because  
of positive rate values added to pad

Also need to check that onoff location has not affected other stuff.

Probably file compares are the best test for that.

Also made PRODDBG8 / from OGenPHA  
'D94' files

LED OFF position will be CRATE much data is lost  
check other P.O to verify C is off so much!

Bob (313) 776 9478 (410) 792-2693

August 1 2 - 8:35

Imp meeting - I am to convince myself about LED setup + initiate work by Nancy.

Bob will be in training Th, F + off next week, but at home. Call to verify if any problems

all 26 days, notice printed after update  
Fmco wants IMP print updates 26 days  
- make new P/O HPFB serial in SB#PR. FLUXCAT - output put into MCDTRACK, OUTPUT (\$INSTALL)

Ning Lselect problem was column alignment error in volume # - (!)

Sent Rob a note about storage unit space loss + Nand has not redone one of them yet.

Made storage data to house test procedures for FTP verification as Nand + I have initially discussed.

August 2 2:05 - 8:25 + 1/4 of 7/29

general dataset maintenance work - discovered FTP still fails with no window messages on MPUT\* to a large PDS - notified totag list.

August 3 2:15 - 7:45

iebcampr utility \$COMPARE of  
SBHAM.VS.dbg8.source lib(Clist(vsdlog8))

Shows "A" + "C" PHAS1789 files are identical in <sup>all</sup> 3087 records

[ A+B A+D are all different - compare quits after 10 records of differences ]

all CNTS files A→D were alike

Nand showed me his FTP things.

Aug 4 4:20 - 7:50

downloaded wencit + nand's esalib to SB#16  
 finished GENPHA (GGGENPHA) pad handling forked mod  
 → PAS2DBG8 + nan test → D94 names  
 A + D rsns do show differences, but this  
 should be expected I believe -

Don sent initial response to my FTP problem -  
 actually, it seems he does not trust FTP,  
 and has developed an automated way of scanning  
 the FTP log for error codes!

Aug 5 2:25 - 11:25 PM put 1 hr on 8/4

Submitted 1790 interval run with PAS2DBG8  
 and PRODBG8 → E94 files  
 ORE94

got INTVLGEN listing into project, logshots

FMCD came + left more requests:

(gave John the 26 day data req #1)

MCDIMP26 (17 specbxs7) for the time he  
 wants to replace 16 data in the  
 plotdata/26daydata/MCDIMP26 local directory

→ 1718.S2.par. Trying to find out if  
 a brace can be put to title box in ACE

tape drive malfunction again - would not expect,  
 again - turning of SPAR02 recovers it, but  
 AMANDA doesn't recognize it until after  
 I did a tar (std3.backup)  
 amlabel voyner-vol00 for next series as

Rob requests.

Fmcd imp 10-22 med region H, He for 17, 18  
for launch → 1/√80. Set up + subbid jobs.  
\$CRIT, \$CRIB in mcdimp26.data  
Muns ran + data downloaded

?? did we (did we need) to rerun  
26 day arqs for life of P10 after  
LP2 redo (10-22 med bin H) ??  
~~NEW~~  
Also a voyager bin ? I42?

played w FTP into unit ra for purposes  
of transferring data work  
IMPSTOR.DATA

Aug 8 2:45 - 10:20

did Fmcd plots after converting/downloading  
26 day data plotdata/26daydata/mcdimp26 dir

faxed ~~to~~ plots/comparisons (ACE) to him  
16, 17, 18, P10 hu he, hu hu, 30-56 region  
10-22 on separate plot  
also added old HPPFB data for compar  
17, 18 spectrum plot also faxed  
("replace 16 data w I7 data")

check again —

Rob is here w new disk — Amanda  
backups were not sufficient? I had a

TAR backup from ~ Feb 94 which I gave him.  
 (data may not have changed much, except for  
 some voyager ency files I FTP'd + compressed in  
 tests. ---)

set up + ran #Recalls for the V1 + V2 NSSDC  
 Cruise datasets

? need to copy to reconf it before  
 FTP to unitree #9

NSSDCSUB. unitree

left Nand a call to  
 verify Blocked date FB  
 transfer process

ran HSMMLIST

deleted stuff I want to keep,  
 + subbed (~ 2700 lines)

sent Rob mail - tar (data backup  
 of Feb 94) is still going + has orange  
 left light

Aug 9 2:50 - 8:55

\*\* Let data in NSSDC files has older Calib  
 and "interim" geometry factors -  
 Should we still keep it?

~10000 lines!  
 did HSMMLIST and submitted (86) jobs  
 to delete 'extra' backups of XRPAS.  
 (dataset backups)

made LEDREDO, data - sent Nancy S. mail  
 to recall 87 data for further tests.

found PIOPLOTN in an unexpected backup  
 PCMV5.DATA !

Can do as Nicks  
 FTAPUBS does



To get Recfm U for current VB type must run IEBGENER and specify DCB on sysut1 as recfm U. FTP looks at the dataset label, rather than the dataset control block, for dcb info. ∴ copy won't work.

And yes, the FB NSSDC datasets can be FTP'd as they are, - just image.

Rob has reallocated the storage units!

How should LRD rebs be handled

DEX52CAT 1) rename PHAS → ~~PHAS~~ OPHA  
 (old PHAS)

change the summary record to indicate zero PHAS

[any routines do totals of individual control?] and n OPHA - optional? ]

} think there is a space left for the OPHA name.

change COMPRESS CATALOG as well?

This prevents compress jobs from disabling access to older data

- Did HSMMLIST } on SB#HL Sto OK as is  
 BLIST }  
 ( ~80LC ~100 HSM )

- edit ICHSMB tomorrow for Backup  
 clean - ICHMM is record of HSM  
 Cleanup job

Put 'SB#HL, PREDPIOF, data' into  
all26day, notice (HLPRED)  
'SB#IC, CALPIOF, data'  
↓ (ICCALPF)

} These members  
are in MCD26day  
(as well as others,  
and the DRNMD,

August 10 3:15 - 7:20

Nana, & elist problem → John  
Fmcd called + requested part/m<sup>2</sup> + other  
plot changes for fixed data.

) mentioned about the P10 High AI scatter +  
strangeness + remembered about possible  
need to add ALPHAZ - He also thought that  
was needed for ~ 70 data.

Modified ADDTWO (of mcdoxy01) to simply add  
the flux + error - it already uses 26day type  
plot datasets and does date verifying!!

(Nana didn't call back about how to correctly  
add these yet)

```
mcdimp26.data(addpiof)  $ laddpiof = build
                        $$$ addpf exe
                        $$ addpf elist
```

setup for redo of I6, 7, 8 P10 data in these  
plots to get part/m<sup>2</sup> data to mcdimp26, SCRATCH  
for FTP download.

executed all + downloaded

labelled Amanda voerz (60m) let Rob  
know. He says hill bring 90m

Starting replot of High AI for P-10 did not look  
much different - need to recheck calcs -

moved mcdimp26.SCRATCH to userda  
- SCR

Aug 11 2:45 - 7:50

forgot gym apt! (apt + water plms)

gym had questions about OX spectrum  
1985, 1989 data - I need to  
check for a rate blip?

P10 PROTON2 + PROTON + ALPHA2 + ALPHA Calcs  
redone + downloaded - plotting looks  
fine now

forgot to install PROTON2 LP2 after  
last fall redo of PROTON LP2 - got  
response list + setup + ran this  
install into SB# PR. FLUXCAT  
and Pioneer FLUXCAT.

ALPHA2 add is necessary - latter  
part of 74 → early 73 and sporadically  
after that.

Rob brought 9cm tapes did DAILY-V02 + 3 label

finished 2 stack plots (2) for FMC

16, 78 P10 high energy data  
17, 8 P10 low energy

L2A series + 30-56 series

John

Aug 12 2:20 - 9:25

got 5 boxes of 90m Sony DAT + notebooks from Tex  
made plot of old H, He HPFB, new (no '2' adds)  
and new (with '2' adds)

Setup checkout for fuju of 85, 89 yearly  
OX16 spectra - yes from fuju. FTO7 data  
at 12 (IAS 23) has a blip somewhere  
for those years. Found 7/29/85 blip, but none  
for 89, leaving in existing exclude times!

Sent fuju info on fuju. FTO7 data, which  
lists PROTONZ + ALPHAZ for the yearly spectra  
I made for him. \$LOOKAT member  
clarifies when to add.

deliv

Sent fuju 26 day avgs corrected PID  
high energy bins

IMP

SB#1M. CORBB130 is getting close to end of records  
I could copy it and dex52 cat + Keep

Let Henry do Blankcats? or maintcats which  
change PHAS names (+ CATMODS?)

ENCY → disk?

If we don't compress - the int flux pgm  
(→ disk files, one interval)

would need to read disk files (+ not do catalog  
updating?)

7.5<sup>1.25</sup><sub>1.25</sub>

Aug 15 2:10 - 9:15

All day on FMCD ACE plot changes

1 page 1718 spectra 1/4/72-1/27/73 (I7) H, He  
12/5/93-2/22/94 (I8) on same plot6 pages also did part of what John was given  
on 8/5!! as I had a 3 stack template  
16, 17, 18 26 day avgs 1971-7988.42-88.42  
90.42-98.42

for 4 quans - keep 4 limits same for 3 segs.

2 pages landscape hugging + lo eng I6, 7, 8, P10  
comparisons 1971-79 data  
2 stack plots  
add trajectory took a while to rework  
but I made notes + thing  
up w push pin for future.1 page replot 3 stack 1678 1971-79 data  
in part/mzresubmit fuji V2 oxygen redo run  
it had get error (for fuji)\* check V2 cards of Johns monthly  
stuff to make sure they're all ok

new FMCD request

10 pages of plots above faxed to  
FMCD

Delio

Aug 16 2 - 9:45 + 15m from 8/15

SB#88. ~~Re~~ <sup>Re</sup> Block, load

provide input FT10 valid VB dataset  
out FT20

Knows correct byte lengths for PCMM,  
ENOR, etc

JPL edr → local → (pgm to make VB records) →

FTP into Rectm U → [Reblock] ⇒ create a

~~the~~ recognizable VB edr as we normally  
get on tape.

fujii visit

I found 89 0X rate blip area via FT07 run daily  
of V2 - V20X89, V20X85 members  
in fujii - FT07 data

deliv

made spectrum \$ V16 + mailed to fujii  
created V2 + P10 [26 day, total periods] spectra  
as fujii requested

V2 PD5T08 needed additional excludes  
mailed 4 spectra to fujii

FmCD new request -

deliv

made 161718 h1 30-56 1971-79 plot Ace  
18 h1 L2A + (LOA) " "

had trouble w time history flux plot for imp  
if time card was "too big" - finally  
put 1 year / card + did the several years  
needed w 'old' vs "

\$17 BX 409 daily avgs mCD imp 26  
\$18 BX 409

jobs seem to be working now

8/17 2:05 - 7:25

+ Bm of 8/15

Deliv

yuzi wanted V1 data for the V2 data  
I sent yesterday PD518 etc  
made runs / mailed him data (2 files)

processed 18, 17 b x 409 for Ace  
downloaded -

Deliv

fixed 10 Ace plots

1678 h1 loca plot

18 h1 42a plot

17/18 b x 409 plots (8) ~~7~~ → 79. yearly same yscale  
+ expanded yscale

did pio spectra PF78R0  
OPF87N (mcDTRACK)

\* [ Nand/protonz + alphaz doesn't think it ever  
applies to het or HS2  
check table lists reg for 256 ch offsets

got yuzi daily I8 b x 409 (quiet data)

\* missed 85 daily somehow  
need to do + send him

Fmcd called + requests 6 month  
plots of I7 data b x 409 - made  
10 plots

Deliv

8/18 4:20 - 7:50

plotted w/ce 1 plot

and listed 2 times

delis

forced to Fmcs

made ledredo.output + put Read52, SORT52  
& corr8 list jobs  
in it

subbed job to put #p5471, R 357007 on disk

1 357	2 1071	3 1069-1071	no <del>last</del> last	2 214	5 1070
			= phas 5459	R 214	[1066-1070]
			phas 5498	R 215	[1071-1075]

on redodata - Check compressed data for  
word/byte differences -(can we do pgm change, i.e. is all data there  
but just flagged bad)

8/19

4:25 - 9:25

did std. backup & clean of RSTP  
dataset. backups (\$PAMRCL) set up +  
executed

? Hand

Nick says VB/VBA don't need to preserve  
segment descriptor words?

heed Redo MUST be done because if ~~DS bits~~  
are ~~pad~~ ~~redFORCE~~ = 128 bytes are  
stored for LED PHA values!  
= heed OFF flag

+14 ✓

8/20 2-9:45

Imp meeting 2-4

Talked to Rand about Nicks iebgener redo of DCB to U

- If his procedure misfires, the input dataset may need a RESET iebgener done on it, else is OK.

Also we discussed how recfm

U + VB, V need to be considered, as 'backups' of mainframe things. Sent \$\$\$ mail (nssdcsb.untrce) to nick + \$\$\$ mail to henry + john

\* Dataset.backups has iebgener/iebcopy/IC backup method if needed ~~\$\$\$~~ \$\$\$

plotted q-t bx409 I8 + 'normal' to see diff. Some time spans are out entirely in the q-t data. Otherwise, they're mostly the same.

ledredo - tested I1069 w PROD + PASZ  
 modules - CNTS compare was same  
 PHAS " differences  
 both report no records marked 'off'

\* LED1, 2, 3 are zeroes in new prog,  
 not in old one

8/23 1:50 8:40 + 1/4 of 8/22

zero values on ~~FF~~ REPORT routine p.o. were from Genpha ref to ONOFF instead of LEDONOFF in rate sum code part. I corrected, Meran int 1069 + int 1789 + now the further dist 1787 matched the 'E94' 1789 and the prod 1069 matches the pass 1069 (no C failures here)

Fmcd call

V1 V2 I8

mid Jun 1991 - eod 26 day averages Std quantities

portrait

penrates + other Standard ~~quantities~~ ~~quantities~~

1 plot per ~~gear~~ per spacecraft (max spread)

deliv

20 plots std guans w Ace

+10 min ~~10~~

8/24 in 2 PM from noon 'ethics' semina  
 Fmcd <sup>out 7:40</sup> gave me a copy of the paper (Dec → ~ May work)  
 which I read.  
 Fmcd came - asked me to check some points that appear solar contaminated from some of the above plots  
 MCDV1006, data (CHK1)

8/25 2:40 - 7:40

henry has not put VS FORTRAN members into IMP project names. I set up + downloaded all the VS. sources in IMP to cfgmgr + ran a backup of only "cfgmgr"

Juju wants to come on Monday - faxed form to code 100.

talked to Nand by phone again about batch FTP vs the way his NENCIT does it.  
Study NENCIT

6:45 mainframe purr failure

8/26 1:15 - 8:15 ~~Monday~~

meet w Rutya + Henry ~ 1 1/2 hrs (IMP)

made FTP BINAR.DATA + downloaded (binary) the production logs/catalogs etc needed.

These are intended as backups. made ~~SSMARS~~ + got DCB into a format which can be developed in a future FTP client system to retrieve backups to mainframe, if needed.

FMO called in another request.

reviewed Henry's HSM + LC cleanup listings of IMP.

\*\*\* need to do log data under XRPAS

↑  
100



reviewed individual point problem V2 <sup>FLUXPLOT</sup> listing + output it. redo job w 26 day averages

set up + submitted P10 jobs of above phone request mcdv1006.data (#PF1-3)

8/29 2-9:30

Fugro VISIT - discovered  $\approx 20$  min <sup>as  $\Delta t_{sub}$</sup>  is getting high  
 error bars for 18 L1A + L2A alphas  
 for 82+83 data (rather too probably) -  
 tested 1440 + 2160 - still high errors -  
 FmCD - setup p10plot2 method + processed  
 his 3 P10 times in mCDV1006 dataset.  
 18 jobs not submitted because I wanted  
 to work on FugroPLOT exclude version  
 algorithm, to do subsum testing, but  
 NOT subsum flux averaging. This has  
 turned out to be harder to implement  
 than I thought. Still working at end of  
 day.

8/30 2-8:40

finish FmCD request -  
 H, He, OX P10 3 times } 9 ACE plots  
 H, He F8 " } faxed

got a flapSSN version I think is correct  
 and doing test mCDIMP26 (SCRISA) is  
 writing '4' members (append char) to  
 mCDSTRC1 for compare to EXC3 version  
 values at 2160 1AULEN

test gets in a loop after 5/11/82 CRICK  
 (5 keys = 2 requests)

made a LE LT & then p90 is working -  
 testing 0 1440 1 aulen for flux differences  
 sp3182 11/9 and 12/5 83 pts are same - others different

converted test flux runs I8 + downloaded to  
26daytest directory - plotted w ACE

\* check error bar rejection parm on mainframe  
convert.

$$5.5 - 7.5 \times 10^{-1}$$

$$4.5 - 8 \text{ w errors } \times 10^{-1}$$

\* submitted Eunsak I8 job

see 8/26 [X] review v2 26 day points finish this

v2

Aug 31 9:15 AM - 1:05 + 10m 8/30

monthly summary read thru done

eunsak spectrum ready to mail but the  
mailer is failing w all different nickname  
attempts

trying to verify downloads - getting  
confusing mistakes -

did std.voyers.pamcrs backup to 1/4" tape

mailer still failing at 1:45 AM?

recalls failing 'no primary volume  
available for recall' for voyers  
download continues.

end month

Sept 1 2:20 - 7:50 use 2 to makeup  
yesterday

John is looking at OVERFLOW for VΣ  
clock reset reset was to zero

[ June 23, 94 is current last interval  
for 18

mailed aurorek her spectrum

downloaded more of my datasets →  
home/voycks ~ 95% full → 1/4" backups  
made w std. voycks, pamcks again & 2nd  
copy made. Also put ds list in tape  
cartridge.

Begin writing monthly.

Sept 2 1:55 - 6:30

monthly sent Imp + Pio/Voy to Nitza

Sept 6 5:45 - 9:45

Triannual

1p lot Fmcd request for ox plot 1/94 → eod  
V1, P10 assumed spectrum  
yes

Sept 7 2:30 - 7:30

finished main body of Pio/Voy Trian  
entered IMP part to henry's files

Fmcd phone request

V1, V2 ox spectra 1/1/88 - 10/1/88  
+ for these and the previous  
run the gradient bin for ox  
(V1, V2 cross mode boundaries)

put relevant 'do' files in mcd V1006

done  
& faxed  
1p lot  
1 list

Sept 8 2-6:30

<sup>Voy/p10</sup>  
 Triannual finish + sent to Nitya

---

Sept 9 2:15 - 9:15

added corr cats of IS, J, G to download procedures  
 in FTPBINAR data + executed.

\* Compression of RAS + cats should only be  
 done when tapes are full.

began work toward creating new FLUX data  
 in ledgero data, + decided (on the basis of  
 bad points in spectra I made for FMCD) to  
 ask Bob if that effort is worthwhile now - i.e.  
 do we know how to get meaningful # from  
 the results?

I probably need to insure my understanding of  
 the T bit code, in case. I wonder about  
 NDB68 reports  $\rightarrow$  if 15,000 events were lost before  
 and all recovered, why don't they show up in  
 the stats area "A-B-C" total events, etc.  
 (or do I need to add a line of 'undetermined'?)

To do:

FLXPLOT DISKVN

FLXPLOT code redo for flux + error bar  
 algorithm

FTP download procedure/test for Voyager ETCY  
 (reviewing NENCIT stuff of Nands)

led Redo progress

IS FLUX data to disk files

break up ~~list~~ .clist + download

ACEPL38 progress OR some perl / script method of editing model files to produce batch stuff

improve FTP procedure of PDS + Seg download to have log sans + warnings →

Sept 12 2:05 - ~~10:30~~ ~~10:30~~ 10:45

~~10:30~~  
+ 40m  
✓ 9/13

Setup nssdsub. unitree for ~~to~~ actual method to put cruise data to unitree.

recalled + put V1 + V2 data there

unitree-ftplog is log of transfers.

(recall this data was generated before) Fmcdlet rework in early 1994

WILLI

Setup for download of IMP8 flux files + began did R2-R9 + compressed 4:1 compression  
uncompressed R5 IMPFLUX.TOSUN dataset

wrote KNTbyte (initial) + setup Proc + ran to count bytes of mainframe files, with file discrimination as the disk files were written.

\* { need to refine counter to pick up filename + write to Summary dsu

\* | Trying to get an uncompressed file back from mainframe clist - its failing w local data access error, but not at the same place.  
Chown -R COSMICRA, COSMICRA  
> too little tracks are allocated - 16 extents!

manual down load R5 again (it's never been compressed)

from sun - tried upload of uncompressed file - it failed  
 netout broken pipe?  
 remote server has closed connection

TR SEC VOL=userda PRI  
 need to be set by SITE command

upload (from mainframe) worked and \$compare shows no diffs.

local ex. of diff also gave no diffs  
 Action Eφ + eφ vsns of R5

Sept 13 2:10 - 8:30 → + 40m of 9/12

worked on specifics of Henry's LEDREDO time estimates to see if I think its reasonable.

Nand came + showed me use of subset  
 lost window log on attempt to save to ~pan  
 from ~cosmeva and file was mostly gone too!

Subset 1 40000 40100 ex.

Sept 14 2:30 - 7:30

working w FTP + data download  
 all day (tried batch + BGTSO)

7a2/seanh/v1/ency director, nget attempt  
 voyager-1 failures in nget

% error {  
 V102777. ~~A030363~~ A030363  
 30364. A030930  
 30931. A031422  
 31423. A031839  
 32355. 33026

5 of 10 failed

42 Sept 15 2:20 - 7:20

loaded 18 flux R20, 32, 33 to disk (all full)  
 downloaded R12-33 of IMP8 FLUX  
 disk files for Dr. McD work using BGTSO  
 procedure in impflux.tosun (\$FTP18)

This worked OK - but no one was running  
 any jobs to speak of, except me.

all byte counts match locally + on mainframe  
 for these Flux files.

recalled 16 x 17 flux files  
 counted their bytes

began 16 downloads

made tar backup of 1816 just before start  
 of 16 downloads.

Sept 16 2:10 - 9:10

Fugu visit (3 hrs)

\* Eunsuk request for data, yearly spectra  
 Fmcd called w request for v1, v2 ox responses  
 + matrices

use 2 to make up  
 yesterday  
 Eunsuk.data (\$mailR)  
 sent

I was trying nget from unitree, ftp from  
 mainframe of 17 FLUXes + TAR job at same time  
 + after about an hour the tar job stopped

reporting I/O error & new tape still had I/O error & cleaning still had I/O error. At the same time the IBMSTELL TN3270 session on mainframe seemed to hang - so I eventually quit window & started another. The wget was transferring one file in ~47 seconds & the next in 660 secs, for ex. It got v1/ency.0002 all OK.

I tried 'get' on the ency.0001 files which failed yesterday, and they still fail.

Setup & submitted v1, v2 matrix jobs at 12, 13 for oxygen  
 v1 mat. data (ASTN2)  
 2 (ASTN3)

Sept 19 3:50 - 11:55

delw reran matrices w slightly different flags (no v2 data, but v1 looked OK)

delw downloaded v1/ency.0003 - 8

made IMPFLEX.DATA & submitted jobs to load imp8 FLEX to disk

for IMP7, counting files was tedious, so am putting together utility to utilize flysup end BTMNP as fluxplot does -

Nand is still not sure how to test local

files easiest. Now he's talking about making a variation of FROT. His local vsn takes input start + stop volumes + reads in 1 file (and only 1) + produces 1 set of fluxes.

Sept 20 3-10

deliv Fmcd wants rerun of V1 2D trying the origin displacement options. Set up voyimat (ASTN3) & subbed class N

deliv started ftp on Sparc2 to continue downloads and a tar job for voy1 storage, none of which is currently compressed finished .0009 + 10 downloads. did 0011, 0012, 0013, 0014 done the tar job failed w/ <sup>50 min</sup> error (Std. voy1 in Backuplists). This time the mt command did not clear drive. I put cleaning cartridge in and then flashing orange light was  Cleared. Trying std. storage. voy1 onto a new tape. no ftp is going now.

- \* Fuji will come Thursday at 2 fax to Marie Stubbs
- \* Eunsuk needs trajectory data

put flex → disk job outputs into umflex.output (ISA → i)

- \* make REWRT7 for FLEX7 tape to disk.  
work

sent Rob a mail about the TAR/FTP apparent conflicts on V09.386

Fmcd request for mod of e212  
2+3 d ox tracks etc -

made MCD OXTRK. data  
w modTRK, and tested, + put  
new tracks to Voyager. testcat

\* ready for creation of test fluxes + plots

\* Should run responses first -

system "has" MCDTRKuy right now, so in  
getting

Sept 21 3:50 - 7:20 +1 from 9/22

continue on oxygen work redo.  
ran 94 VI ox spectrum w new tracks  
made FIXPFOX for corrections to fluxes  
Fmcd requested  
converted for ACE -  
got revised 94 data local + plotted w  
ACE plotdata/26daydata/MCDIMP26 dir  
faxed plot (+old one) to Fmcd

FIXPFOX is in MCD OXTRK. data

H<sup>2</sup>  
4-20m

Sept 22 2:50 - 12:10

- CALL Dana about timesheet =

they thought I needed leave w/o pay - 76 hrs total -  
8/31 period

copied ZISBR 'DLY' to XRPAS

Fuji VISIT got list of redo data  
for new oxygen, which Fmcd says is  
OK from yesterday.

must mod FIXPFOX to bypass other particles.  
- done -

made TAR of /voj2 storage  
redoing fuju data

- ① correct PFM members of mcdFUJ12 → mcdFUJ13
- ② correct yearly spectra 77-93 PFFFB... of fuju.data → mcdFUJ13
- ③ PFFP5T8, PFFP8T11 corrected
- ④ Submitted VIM ~~\$\$\$~~ RADVI subs did \$\$\$ GETS → mcdFUJ13 (VIM...)
- ⑤ Submitted \$VII → \$VIII 6 jobs (match V2 bins better)
- ⑥ submitted VIP5T8, VIP8T11
- ⑦ submitted job to produce yearly spectra for VI in FTOT format fuju.FTOTdata(VIYEARS)

nttyle  
vojager  
xestcat

deliv  
74 members  
of mcdfuju3.data

deliv \* fuju needs P-11 trajectory ← Emailed 9/26/94  
as does sunsuk need all trajectory stuff  
↓ P10 + P11

\* left call for FMCD about PF ox bins going up to 43 MeV.

Sept 23 2-8

\* Fuju asked about 8-28 MeV OX P-10 "corrections". I left a call for FMCD reviewed Henrys DB68 new runs, asked for analog matrices on some intervals,

Old + new data.

reviewed IMPFLEX output. All 18 FLEX are to disk OK, and sysaats in imptflex.output.

Submitted V-2 run of oxygen matrices ASZ3 using origin offset parameters.

delis

sent Eunsuk mail w/ tray of V1 + V2 some values have - values which I believe are wrong

\*

need to download ZISBK datasets

delis  
\*

downloading V1 matrix ency. 0015-0019  
need to backup voy3

delis

sent fym the voyager trajectory files

\*

delis

loaded 17 FLEX tapes to disk  
Reel 5 FL7009 had no data on it.  
I notified Nancy by mail (+ Henry)  
(if IMPFLEX7 is available, we can rerun)

Fmcd said the yearly P10 spectra (which had the 24-43 MeV ox bin) could be corrected with the 19-35.8 MeV factor.

ox connection

He said, not to worry about the 8-18 gradient ox bins of P10

I still have not heard re: the 26 day average bins of 8-28 MeV ox.

ran ~~backups~~ / stdz.pam (backs up IBM / IBM) to tape on voycrs)

\* ask Fmcd about loading new ox of V1 to Voyager catalog

Sept 26 3:45 - 9:15

downloading vi/ency.0020 - .0026  
 note → .0027 is too big to put in /way4  
 Fmcd said to make new VI tracks permanent →  
 added to SB#V6, catalog.data backup SB#V6  
 CATALOG.PREOX16, SEP2694

deliv Setup 18 SMCT to disk + subbed<sup>4</sup> thru reel 66  
 in IMPFLEX.DATA  
 mod CNTFILES to handle SMCT + got 6, 7, 8 file  
 counts  
 put SORTCATS into IMPFLEX.OUTPUT  
 putting job output into → \$\$\$fda(outda branch)  
 6 of 10 jobs

Sept 27 1:50 - 7:50

deliv IMPFLEX.TOSUN has byte count pgm  
 IMPFLEX.data has file counter by reel # pgm  
 put 18 SMCT hold stuff to IMPFLEX.OUTPUT  
 setup 16 SMCT + 17 SMCT to disk + submitted  
 #17 smcts → disk all worked, no problems  
 16 SMCTS are having 613 errors

vi/ency.0027 got 7 files + then converge went  
 down. finished later  
 \* made TAR backups of /way3 + /way4  
 /way4 TAR failed w/ I/O error about half thru ency.0026  
 tried tapescaans of failed I/O disk load jobs +  
 all worked except 1. retried diskloads  
 + am getting more working -- Got 5 done, 3 failures  
 sent nancy \$\$\$ mail in impflex.data  
 modified byte count pgm to get files + maxnum  
 from parm. Testing  
 → put scans of failures into impflex.output

Sept 28 ~~8~~ 1150 - 7:20

Spent time w Nand at 2T organizing  
old po + doc to keep when he gives up that room

CRRESTOR.DATA begun

got basic system going to restore  
from CR backups from the command  
line driver \$RES.

submitted jobs for oldsource-5 backups  
(I thought there were more - )  
→ 12?

put to XRPAS.SB#1M...

Sept 29 5:10 - 7:15

set up + ran

Fmcd request

faxed ~~16~~ 16 spectra  
to him

deliv

✓  
+15m

Sept 30 2 - 8:45

Fmcd did want het (and, ideally, differing symbols  
as John does them but he said forget the latter)

added het bins as I found them from  
MCDTRK VY (V1BINS + V2BINS)

to lincards.data (V1nwbins + V2nwBMS)

redid runs + plots + faxed 16 more  
Johns card setups to differentiate

A, B, het, Het for mainframe symbol

flattng are in SB#UG.LIB.CNTL (V1 ~~LIB~~ BIN#)

V2-...

deliv

Voyager USSDC project;

Tap-scanned in TLS

PAM 01  
02  
03

deliv try for voy4 T#R again - worked ok

Review of ASM2 backups lists for dsa's I'm not sure I have locally.

✓ SB#1M ~~ASPR428.SOURCE~~  
 libman 83/049 338  
 on CR Seimp/MPVIEW.TEXT f 248 IMPBKI  
 Seimp.IMP01 F6 SOURCE  
 F3  
 E0004 F3 "  
 F4 "  
 E0005 F# "

#X10, SOURCE IMPBKI f 308 fatar

SB#1C "SPRING" TYPES  
 libman 84/017 SPICE.SOURCE (hand thinks, this is a special flux plot)  
 SPICE.FORT + ASM

libman 1:seecal;text

? OLDLOG.DATA

WRTLST.SORT WRTLSTI.SOURCE  
" DATA

libman DPINTLOG.SOURCE

overview.text  
ICBK01

STATLIST.SOURCE

PROLOGUE.TEXT  
ICBK01

ICBK01 ← LISTSTAT.SOURCE

ACINTLOG.SOURCE

has ZWTFC things  
1:see ZBBUB.LIB.RESP

ACCEL.SOURCE

ACENCGEN.ASM 2

voysee ←

(MATRIX.SOURCE)

ACENCGEN.ASM

ACCEL.CNTL

1:see 84 libman 84/363

ACRUTGER.SUMY

ACSPNLST.FORT

ACCEL.VLET

ACCEL.OVERVIEW

ICBK01 f 51 →

There is a 90362 multiset on libman

SB#PR

← hogist, source  
 CRBUS ← plasplt, source 83077  
 pFRsum, source 83027  
 STRAJCT.FORT 83027  
 maglist.fort 83027  
 PFRDSP, source 83027  
 PRDISP, source  
 BITZON.TEXT 83017  
 pio.TEXT 83298  
 CRBACKS ← PATCH.FORT 83014

CR PIOBK1 f 49  
libman 83014

TAPSQZ, source  
 magdbg.FORT  
 ratelist, source  
 DRSMNT, source  
 SmCDPLTF, DATA  
 APMCDF, DATA  
 GOE82F, DATA  
 GOE82G, DATA & others  
 GOE8182F "

libman only

} ← PIOGRTLTL, DATA  
 F  
 ENC.CNTL  
 FOURIER.JCL  
 LIB.TEXT  
 TEACHER.CLIST  
 CRBACKS ← plasma, source libman 85133

S.B#HL

libman relcos, text CR GRBLIST, source  
 libman help, text CR HELDRP1, source  
 MCD FLUX, DATA  
 MCD RATE, DATA CR LISTCAL, source  
 libman 8310 tempscan, source  
 -IBM PDP } 83007  
 Clocka.cntl  
 Clockb.cntl  
 CATSCAN, source  
 UTILITY, FORT  
 LIB, TEXT

SB#VG

FLUXPLOT, errors

↓ PLTRAT, source

↓ VOYCAL77, source

↓ EWRCIT, source

↓ genrat, source

↓ OWRCIT, source

↓ Selecte, source

↓ CMPENC, source

↓ WRKCIT, source

lib. + text

Voyager, JCL

↓ sedr, cntl

↓ sedrs, source (82)

↓ encountr, data (81)

" " edrsave2, data

↓ Sedr, source (81)

teacher, cList

ZWTFC, Voyager, c, cntl

" TSCOPE, cntl

CAL77LOG, DATA

SB#HP

(none)

83/271, libman

ROADMAP, TEXT? 733908 IMPBRI

system

master, daio, relink

~~actdebrasm?~~

↓ system { ZISBR datasets are here (too)

get

↓ Se2NL, P100xy, cntl

P10 DC SUB, source

SACCO2, source

Se2NL, ZB2NL, LIB, FORT

need to download V10WLT & V20WLT  
 ↓  
 SC31 + 32

done ✓ f+pbinar.data (ISS MAINT)

\* recalled some SE2NL datasets  
 (need to download)

Oct 3 1:45 - 6:25

15m 9/30

made Helios.data ✓ pgm to write to disk  
 in 4 pieces.

made proc & zapdeb segments - testing  
 procedure. Zapdeb get RC=12 in Rucks way.

If I can find the count events pgm we  
 saw when we looked thru Nands old office -  
 we can use it to read thru enaps.

- Its in Lselect.source!

15m

Oct 4 2-8:15

analyzing NSSDC headers

revised read FT32 pgm in NSSDCsub  
 & decided to make sure it would  
 read these datasets - V277 was  
 empty! made exec PROC to

try reads on all & discovered

one V1 & most V2 were empty -

resubmitted these for overnight

generation.

Oct 5 2:35 - 7:20 + 15m yesterday

Small tape drive is broken (Rob)  
rebuilt V1 NSSDC tape after verifying  
V180 data is there PAMØ1

V278 + V286 - having trouble with; others good  
modified READTHEM to work nicer + put  
into HDRs

sent hand mail on V2 NSSDC work +  
tape drive

Oct 6 1:30 - 7:20

got CNTevent working w initial format  
changing. storage-data

#2E07 seems to not have 78 data on it.  
put V180 new data to  
put V2CRUISENEW to unitree  
NSSDCSUB.unitree

hand asked for NSSDC data local - he  
may make ascd data files for submission

Oct 7 2:30 - 7:30

got V1 + 2 93 data for NSSDC <sup>made +</sup> ftp'd  
+ 92 redo (to make sure it was all there)

V286 data is there now.

put V1 + V2 NSSDC files to WPKI  
made backup on 1/4" tape

made mail for hand + sent  
it to \$\$\$SUB of NSSDCSUB.data

published 1chgener for PAM02 after making  
V278P data (2/19/78 - 1/1/79)

'p' data is also now in unitree + local  
left nand phonemail about 'p' data

nssdcsub + tosun puts this data to  
Sun

only 'loose ends' left are  
early part of V278 data, and I need  
\* to re-backup WKKI (78P data not gotten)  
subbed jobs to make PAM02 w 78P data of V2

headers updated to include 93 data  
\* (not sure about 78P of V2?)

Oct 11 2 - 9  
over weekend recalled redo of Let geomrs and  
that now I have some mixed(!!) Let fluxes  
w V2 being mostly new + V1 mostly old! left phone  
message for Nand.

redo V2 79 + 82 to get all V2 w newest  
fluxes

subbed v1 jobs to get new Let fluxes

put V2 new to unitree + tosun

Nand requested start time of 6 hr boundary  
for V1 + V2 in 1977. I resubbed those  
jobs

put all new V1 data local and to  
VICRUSENEW in unitree

put V291 + V277 data local + to unitree  
V2 crusenew

v291 had had time  $\rightarrow$  12/31 rather than 01/01/92 as  
stop time

Nand said to develop script to process data  
thru his /ssdc program (makes all text  
output)

downloaded nssdcdatasets (SB#VG + pam) to  
local.

~~Done~~ Perl project:

Oct 12 2:15 - 7:45

Perl script - making slow progress but  
something happening -

made JCL for Andrew \$JCL in mcd1201  
& put in his task 94B, source

Oct 13 1:50 - 7:20

got Perl script running & did the  
VI process command VI took  $\sim$  ~~20~~<sup>30</sup> minutes  
(vlogin to v0y386)

Nand wanted me to upload a text file  
and check his read program  
in his /saturn directory

(correlate # he gives with my flux + ~~map~~  
processing of several quans of, I believe, the  
77 data.)

v10/18

+ 1 1/2 hr Oct 14 3:30 - 11:30

processed v2 nssdc thru dc flux

change headers to reflect textstate  
+ put into nssdc directories. Sent mail  
to Rob re Nands suggestions for local  
access by USSDC.

were moving NOV1  
working on floor plan

✓ 10/18  
+ 15 min

Oct 17 2:10 - 10:35 ~~10:35 - 10:45~~

Fmcd - C12 request  
\$JCL of MCD0201

needed to locate additional excludes  
made daily run -

\* Johns 50MA plots for the data  
he showed me - ?

deliv left plot for John to Fax 94 C12 data

deliv Oct 18 2:15 - 7:30 + 1 1/2 hrs 10/14 + 15 min 10/17  
got v1 matrices to establish C12 track  
ask Bob about USSDC person to let know  
about data ready

no John still behind ?

deliv { Fmcd requested OX16 for same C12 94 pd  
plotted on same scale as C12  
then requested 86 1/88 C12 + OX16 plot

deliv do more v1 matrix w origin move option

Johns edr needs an additional tapemark (cov?)  
 made + reviewed tapemark of actual and his made up one

Henry showed me lists of P#A data LEA, recovered,  
 but we still need to see it plotted -

Oct 19 1:15 - 7:20

made small changes to NSSDC header files  
 put to SB#VG, NSSDCSUB, DATA + downloaded  
 PDS to cfgrgr + pam

John Cooper called about getting the data, 441-4188

No word yet from Rob etc on NSSDC account  
 access. Sent another req. to 'system'

Rob is working on an account which will only  
 do FTP (pretty much) ?

Johns pioneer edr has all pad?

made a TAR file back > WRK2 of the NSSDC  
 directory

Oct 20 3:15 - 7:30

pioneer edr: <sup>Jim</sup> ~~John~~ Smith 415 604 6239

leaves at 2pm then time (California)

called Cooper 441-4188

were not ready w NSSDC acct yet  
 locally

✓ 10/25/24  
+20m

Oct 21 2:10 - 9:30

made automated FTP for pioneer Ames files (fairly simple for the moment)  
+ got data into mainframe. see  
\$\$\$DIR of XRPAS.pioneer.data.

Made Qlook edrs for D106 + D170 +  
ran PWD RP - put results to pioneer.output

Rob is setting up an anonymous FTP ~30% of  
WRK2 for NSSDC stuff, but isn't ready  
yet (as of 7:15 PM Friday)

Oct 24 4:30 - 9

Fmcd left request for  $\lambda^{\text{pre}}$  Wed afternoon deliv

Nitya wanted 3 items of recent work in  
Voyager task - sent mail

worked on pioneer edr → disk file  
for compare

got d 221 + 222 from ames

E02101 has these days

2 fluxplots run of Fmcd request

Oct 25 3:30 - 10:15 + 15 of 10/21

more Fmcd request

made 1V2 run 87 data when Johns file was already  
x 104 ) guess + no spectra

deliv

Ace plots 1

15 v1 + v2 th plots

10 spectra w Ace

7 I8 th plots updates thru 6/6/94 26 day point

plot data / 26 day data / all 26 day

[do all 26 updates first] 18. penr. par is 18 parameters for 1992-2000 26 day averages

process 26 day data thru \$\$ FRC + all 26 day data \$\$ FRC1 of

Spectra were done from

/mcdimp26 and /mcdimp26.0 files

also the high H + galactic I8 stacked 1992-2000 plot was from mcdimp26.0 using same data put into this dir as the all26day dir (cm2 data)

Fmcd called + requested gradient lists for v1, v2, PF for 6/15/94 - 8/15/94 pd.

deliv

set up + subbed jobs (mcdv1006 - \$PFUP94G v1 v2 == all ran

need oxygen added for v grads how did I do this on 9/7? nothing in notes!

9/14/94

Oct 26 1:30 - 7:20 + 5 of 10/21

updated Imp-8 plots w new data of this AM which John got. -> 7/28/94 point

Fmcd came + got all

made proper README file for /NSSDC and called Cooper w acct/password info. He did get an OK.

finalizing floor plan. We may get STARC 10 at move - Rand is trying to be READY + will let me know for sure Friday. He also is in contact w AMES person + is going to look at a new file tonight.

✓ 10/31  
x 20m

Oct 27 2 - 7:20

gave Linda the floor plan  
took care of large mail build-up

sent message to tag about ZWZPT datasets which I cannot copy + which are due to be deleted at end of October

summarizing for monthly

Oct 28 2 - 6:30

monthly

Fmcd will call at 3PM Monday to find out reproduction status via Fred Wirth → John communication

Talk to Nitya on task

To do

read USSDC + ext file w stands pgm from ml  
 FLXPLOT DISKUSN

FLXPLOT code redo wrt flux + error bar  
 for use w criterion vsn.

redo progress

(IS Flex data to <sup>ml</sup> disk) done ~~done~~  
 finish SMCT which failed w tape errors  
 break up lib. clis + download  
 lib. cntl

ACEPL38 or PERL work to help get  
 Ace plots faster

download 219KB + SE2NL datasets

helios flux data → local work  
 begun - see helios. data

check FL7009 if its remade  
 " IB SMCTS (3?) & mail of impflex. data  
 to see if theyre remade.

CNTevents work to verify VI ENCY  
 locally vs mainframe  
 Storage data

Oct 31 1:55 - 8: ~~10:00~~ + 20 min of 10/27

Finish monthly

got all new ames data from what was there  
 about 5 PM today

set up \$MKEDR proc to farm <sup>production</sup> edr and  
 ran for days 270-276 to E02104

Added rebgener to write 2nd eov at very end

tapes scanning to test it us .

ran quick looks for D221, 222 & they  
seemed to have valid output (printout)

~~made~~ Asked John to test D270-26 tomorrow

began some packing (throwing out

Nov 1 3 - 10:30

cabinet reduction + packing

made Cfgmgr backups to 1/4" drive  
in 2 pieces

Nov 2 10 - 11:20 3:30 - 7:15  
(3.5) ← + → (3.5)

Meet w Bob etc → 10 - 1:10

moving prep + backups

Nov 3 3 - 7:20

Moved to G1

did an edrlist on latest P10 ames  
data + it still looks wrong. (I forgot to  
do this yesterday when Emco called and I  
told him all looked well - Johns P10 DRP  
& FHXDBG had worked, but we had no flux data  
to view yet. I got the ~~DRP~~ DRP printout  
mixed up in my mind + thought it had  
edrlist type # too but was wrong!)

Webber 505-646-2007

Nov 4 3:45 - 7:15

made dump from variation of DIRFIX2 for P10  
ames edr files. ran for D270 + 271 (toef)  
will begin w/ checking monday w edr format  
as I can

Nov 7 5:20 - 7:20

made Dumps of EP2106 f4 ~~and~~ and  
new ames data to compare

Spoke to Rand about status

Nov 8 2:20 - 8:50

WCP mod

more work w pioneer edr stuff

Dump2PGM made + run

day 221 old + new are OK in data  
+ the same but w some header diffs

day 270 data is definitely strange compared

to 221 made EP2103 as a whole  
edr + ran edrlist.

Nov 9 11:30 - 4:50 hpt to get Penny

Nov 10 1:40 - 7:15

Study Pioneer edr format

called Jim Smith & we worked for quite a while over phone.

FMCS had asked me to confirm we had newest data generated by Jims people. - yes

Nand called & will look into timing problem & let me know.

Nov 11 holiday

Nov 14 3:10 - 8:55

Nand said to run URATLST on day 270 - try to see if / what data is there with rates which are red out once or twice a page.

There is also Severead - I tried to run it but it said F120 dd missing.

NSSDCFTP - can't access - Cooper call.

The WRK2 device isn't accessible (Rob came & is now trying to figure out why)

\*\* Jenny Tae (?) X61562 referred to my George A bid furniture request -  
Call her

\* Eunice mentioned a voyager meeting  
Nov 23 1:30 PM

Nand came + we looked at pioneer data listing from URATLST and his local edrlst on day 270. He thinks we are OK + understands time backups reported by piodrp for d270.

John should back up the flux catalog + PDS / pointer combo which are current and go ahead + process data in my PDS members of ames.

Nov 15 12:40 - 6:40

wrk1 nssdc stuff seems gone? <sup>asked Rob via mail</sup>  
trying dcpread on mainframe - have  
JCL error

Nov 16 2:20 - 7:20

no V production since last end pts  
(9/25 / 9/18) ?! No new Ed's

Nand thinks it might be FTP as well as pro now

wrk1 is there - it was an automounter problem according to Rob.

trying to read vands text datasets  
 of NSSDC on mainframe  
 the bin 43 of V2 77 data is failing  
 invalid decimal char.(.)

Fmcd came & was concerned that  
 we had no further V data (I didn't  
 realize this) and there also was  
 more pioneer data at Ames - I retrieved  
 it. The migration of pioneer ftplog  
 was broken, I deleted it & restored from  
 Hsm backup. In mean time, I changed  
 auto ftp process to put log to piftp.ftplog  
 day 298-311 that was in Ames was  
 brought to my datasets.

failed  
 not enough  
 primary  
 space?

Rand hasn't done anything w NSSDC stuff  
 for Cooper. Neather has Rob setup new  
 account since we lost that WPK2 disk.

I complained to Fmcd about the  
 seeming lack of action on getting us a backup  
 tape device.

Nov 17 2:30 - 7:20 +10 of 11/21

sonic.jpg

818 354 1000 Ron Hungerford

RON@spatty.

Sent mail to Ron about V edrs

Dc FRead seems to be limited 256X  
need alternate way of skipping entries

added 8888DIR to pioneer data & put this to sum  
need to get info together for next Wednesday  
meeting.

Nov 18 1:40 - 7:10

got mail from Ron @ JPL

JPL'd data to /cosmicra/wrki/voyageredrs  
& backed up on 1/4" tape

set up voyager-data <sup>on mainframe</sup> & queried SONIC for  
what data is there for us.

uncompressed the compressed EDR files on spare2

next is 2-step process to get tape EDRs  
but Nand has to show us how -

✓ 11/28  
10 m

Nov 21 2:45 - 9:25

no phone or e-mail from Rand about how we proceed w JPL edr data.

left him a phone mail inquiry  
got thru to Tex + ordered 1/4" backup tapes (6 boxes) to be delivered here

Rand let me know about where to further process to get edrs for voyagers

copied convert EDR to VB to /WRKI/voyager.edrs - made do.edr + ~~edit~~ list.edr scripts and processed all files (13 files 6(1) + 7(2))

set up FTP on mainframe + got CRS..w to mainframe see \$ftp in voyager.data.

wrote edrs see \$REBLOCK in voyager.data

mailed status to rand + John.

did a disk read edrlist of UI 269 data it had some strange m216 counters so I recommended Rand to ~~write~~ check out files.

landshark can't see 386 disks & visa versa, so I can't check out ispf on Henry's machine -

need to learn how to mount?

Nov 22 12:45 - 7:15

P10/V09 meeting 2T → 4'

to finish { Fmcd request at meeting + by phone  
andrew request get v2 87+94 spectra files  
Eunsuk mail (done)

Editscan failure is fixed with making VB in JCL of input

I talked to Rand + he said add an iebgener step VB in U out to tape (make Reblock give a temporary dsn like his earliest disk read job.) This didn't work. no data written - just

Standard labels. iebgener RC=12

Tried variations to no avail.

asked John to try edrsave w edrv as VB rather than U - It ~~is~~ is working w override JCL.

Nov 28 2:30 - 9:20

#10 of 11/29

Made Eunsak loglists + put in  
Eunsak output

Fmed wants some listings

made Fmed { P10 } all 94 listing spectra + grads  
          { V2 } spectra 87 all  
andrew { V2 } spectra 94 all

plots

- 1 3 stack 18 update 1992 →  
   h, he, k L02 #
- 1 3 stack 1678 P10 w AU traj P10 1971-79
- 1 17 H, He 18 H, He (V1/94 - 2/22/94)  
   (1/9/72 - 2/22/73)  
   spectrum plot
- 1 P10/V1 adjust slightly from what he got  
   last Wed at meeting
- 1 P10/V1/V2 same
- 1 copy P10 3 times in 87, 78, 94  
   Hydrogen + Helium 2 stack

f 15m

Nov 29 2:15 - 8:35

reviewed Editscans on Johns desk

got JPL series 311 + 318 data to mainframe  
tapes for John

McD wanted 1992 → IP data on exact  
scales as 4 sat 3 stack, so I redid

Accept plot 3 stack

put README in voyager.edr and voyager.dat  
a primitive userguide for getting JPL data +  
→ mainframe EDRs

+10m<sup>v</sup>

Nov 30 2:45 - 7:55

working thru phlms w editing edrs

Dec 1 day off / sick

Dec 2 3:15 - 9:20 + { 10m + 15m }  
11/30 11/29

Sorting cabinets all time

John has finished std analysis  
(did he get thru d318 on U1 + U2)

Dec 5 4:30 - 9

monthly (send it if receive RBJ/anonymous FTP  
mail reply tomorrow  
more cabinet work

Dec 6 3:15 - 11:15

more cabinet work

made nssdc ftp directory & put data  
there - trying to ftp, but its

failing - maybe I forgot password?

Bob came & worked on machines and  
NSSDC account til 11:15!

Dec 7 2:15 - 7:15

Called John Cooper about NSSDC voyager  
being ready. & Nand (+mail)

made tar. z of WRK1/voycruise/nssdc  
~40Mbytes of 218Mbytes orig!  
and put it in rcfgrmgr/voyager/nssdc  
and made a 1/4" backup /backups/cfgmgr.c  
of just that directory

compress took 12-15 minutes on SPARC2

more looking thru documents to sort/keep

Dec 8 5:15 - 7:15

sorting docs

Dec 9 3:30 - 10:30

sorting docs

Dec 12 1:40 - 3:05 4:45 - 9:20

meet w Nutya for task review

Nand checked some stuff for loss - will  
be back Friday to continue

FMCD called:

VI job to check 94 data ~ July → for possible spike or slow event?

\* Check plots John sent tomorrow? →

Dec 13

2:40 - 8:40

found only 8/20/94 0-4 spike in Med data

boxed CSC manuals for PS

Dec 14

5 - 7:30

Census VL + 2 trajectory mail -  
XRPAS, PION traj. data members are there

back is hurting from cabinet bending + lifting

called FMCD \* left phone mail on spike

128.8.251.110

AIX.UMD.EDU

I did <sup>pam</sup> binary transfer but probably was not necessary  
tried a ps plot at MD + Andrew  
said it worked perfectly!

eng<sub>A</sub> - Pps file

Dec 15

3 - 9:30

cabinets most of day

made VI run for census + mailed info/results  
\$VI94b

looked at FT07 w John to check VI  
94 excludes

Dr. McD wants single bins for the 85+87 times John has previously made. Protons biton bet + bet don't agree. Alphas are good, tho.

Heat in room is still too much. They are working in here tonight (after I leave)

✓  
+ 15m  
Dec 16 2:55 - 9:10

more sorting - left work for Henry boxed 1sec and helios production

checked out failed Lselect of eunsuk - ran job for her (end volume > ENCY end)

Dec 19 5 - 11:30

Ananda failed + said no tape on line but U004 was in! I relabelled it before 6PM check:

Had to change permissions/groups on the voyagereds/ directory so John could use it. (!)

Decided to stay late.

Worked on Box 30 local plotting (extended  
(data thru Sept 19, 94

Worked on a script to plot multo years - debugging it.

Dec 20 2:50 - 9:20

Nand came & we went thru some stuff - we did Helios too.

sent Rob mail about modem at home.

John still hasn't done Pioneer extra document shelf, tho I asked him to box it at least 1 1/2 wks ago. He has a lot of his own things to get ready to move and is not going to be in next week! He isn't pushing to get TSSC boxes - are all the extra tapes to go to bldg 99? Can they?

I think I must be able to take one yellow cabinet upstairs. (At least for the short term to see how their furniture will work out?)

✓  
-15 min Dec 21 1: - 7 +15 from 12/16

✓  
+20 - Dec 22 2:10 - 9 pm

did voyager boxing checked tape rack - encounter mainframe XRPAS tapes + my libman backups.  
John has boxed my earlier Fmcd work which was on top shelf of my cabinet -

hours	12/19	6.5	voy	12/27	1:30-8	8/103
	12/20	"	"	12/28	2:30-7:30	(-1½)
-¼	12/21	6¼	voy	12/29	3:40-	10:10
+⅓	12/22	2:10	-9	12/30	3:10-	9:40 (+25)
(+2)	12/23	2-8	voy/pw			

→ this also included the encounter printout etc which I kept with me.

+2 Dec 23 2-8

Boxed Calibration things (5 boxes)

marked The 40 boxes for paper storage to move upstairs.

John's Voyager # are 2, 3, 4 for my other boxes.

John has run monthly analysis so on Tuesday I am to look upstairs for it for Fmed (1:30 appt to review his stuff)

Dec 27 1:30-8

Fmed came + we sorted more.

I boxed stuff he indicated that Bob

should decide [the last 3 paper storage boxes]

John didn't see about getting the proper tape for the bottom of boxes. I called Davis & left a phone message asking about this.

There's a huge electrical access box that requires 2 1/2' clearance in Henry's area of 146 which the proposed floor plan didn't take into consideration!

✓ 1/9/95  
-15

Dec 28

2:30 - 7:30

spent some time on floor plan - they moved desks in

Dec 29

3:40 - 10:10

finished my cabinet - doing my packings

prepared to do monthly biannual on mf (from PC/Kornit if needed)

+2.5

Dec 30

3:10 - 9:40

packing finished. Rob etc moved computers upstairs. Sent mail to Nancy & Nand about file cabinet. Put move to 99 on McGuire box (large cosmic ray event catalog of von Holbeck/McDonald etc) along w file cabinet.

+ Tom  
 [5.5]  
 & [1.5]

Jan 3 ~3 - 11:10

(use  $\text{D.O.}$  to finish  
 'makeup' of the one day I wrote  
 that letter)

unboxing cabinet stuff  
 organizing room

undid modular divider & moved it up

wrote mail to nitya & john about  
 more status.

Jan 4 3:50 - 7:50

redoing my area

made Burlaga data for 93, 94 U1, V2  
 (Kramer request by mail)

lib dist (burlaga) runs johns menu

\* Lockwood call from New Hampshire

Jan 5 3:50 - 10:50

dec monthly written & sent to nitya

fri short summary written

main report organized

mail about these sent to john

\* Called Fmcd about lockwood request -  
 he wants me to call him back to confirm  
 it in mid January.

Valerie said cabs will be delivered tomorrow,  
 Moved all boxes in side of printer + left john  
 + Henry a note

Jan 6 2:30 - 8 +.5 of 1/9

Triannual all day

+15m Jan 9 day off but worked 2hr 15 min from home finishing trian use .5 on 1/6 use 1.5 on 12/26

Jan 10 day off

Jan 11 3 - 7:25 +10 1/3 + 15 1/9 put up shelf + unpacked more

EunSak mail requesting 26 Dangs 18 - referred her to nung 26 data and Nung

see pg 61 for TO DO [still]

Sent Nancy's mpflex data (88 mail 1) re tapes 16 smct 37 flex needed to be made from backups

2/11  
-2

Jan 12 3 - 7:15 Ereneuk wanted spectrum - made + sent 018T93 Fmcd called - she still has not spoken to lockwood

Talked to Nand about reliable backup + precursor data concerns

began re familiarizing myself w disk vs n pgm to pick up work

-20 m

Jan 13 8:20 - 9:30

Got Imp fluxplot diskusa working after finishing up FT10 intercepts. Running tests on new vsn <sup>with reel 2 read of 18 flux data</sup> 1) FLUXEXC3 + FLUXPL1 (w 720 m) subsums, to do testing on 'spectral' part. <sub>grey = 2, daily, avg</sub>

box30 CR TP OL  
 exact match  
 match except for + in exponent of OL which is not in the CR or TP output

Also, I had to delete zero lines from CR beginning data, to start at the time TP + OL Start.

for the box 409 CR + TP also match  
 CR + OL match except for about 3 values and 4 days of zeros in CR which have reasonable numbers in OL differing values are well acceptable.

flux exceeded criterion box for several days, checking in 12 hr subsums.

Jan 16 holiday

Jan 17 3:40 - 7:45

trying to work on total time criterion for error bars

1/23  
-10m

Jan 18 1:40 - 7:30

put DISRVSN (total time (error bar work) test vsn + ran test on it and old FluxPlot w total time (14min=0) for periodic daily spectral option

12/13, 12/20/73 BAT mems have slips still?

Found  $\rightarrow$  12/5/93 - 2/22/94 ~~etc~~ time period where error bars were so dependent on 14min - do some testing w new pgms

Total vsn finds some bad years? output printout for checking

$\gamma$ key = 2 fluxes w 78 day periodic are also different + require study of f.o.

1/23  
-15m

Jan 19 3:30 - 7:15

Badys messages? checking logic

Jan 20 4 - 9:30

spectra test

"TO" vsn needs check for eof records!!! flux criterion set high ran 'normal sed'  $\gamma$ key = 0 14min = 0

ran new to vsn  $\gamma$ key = 0 14min = 720

ran new subsum vsn  $\gamma$ key = 0 " "

compare spectra

normal old  $\approx$  (virtually same) new "TO"  
differences in 2<sup>nd</sup> + 3<sup>rd</sup> place of decimal

normal old  $\rightarrow$  subsum new had some low energy  
fluxes twice as much so decided  
to run "normal old subsum" option:  
(ie  $f_{key}=0$  IAVMUN = 720, "old" normal pgm.)

results for  $f_{key}=0$  testing seem  
consistent (however the "normal pgm"  
w/ IAVMUN = 0 may have a problem w/ its  
30-60 MeV region fluxes (in the "no  
exclude mode" fluxes are high compared  
to the subsum normal pgm) but there is  
solar activity which does need to be excluded.  
See plots -

Jan 23 3:40 - 10:40 use 25 m for 1/18, 19  
But .5 hr on 1/20 from weekend study of Fmcd vsn plots

Meet w/ Rutya on task progress

Fmcd called - John's fax of P10/v1/v2 comparison  
(end of 94 data) shows v2 has ASTP data spike  
pbm - Houb, He only f.t. compares 10/14/94 - 12/31/94

I made Fmcd plots w/ Ace once John regen'd v2  
data. John faxed to Fmcd + prints.

made manual change to error bars of  
cretion vs data, subsum + data, so points  
would not be dropped by convert.

Plotted H again + it looks good to me.

Should I make a logic path that says if set  
~~IAVMUN~~ then use subsums in averages?

Because subsum avg is input in the next pgm?

Yes - I changed FLXPSSNTO, one statement after cricchk near stmt 251 to use IAVTIM > zero or EQ zero to enable a subsum flux which must be made of subsums which are the length of the flux criterion check time. I made runs to check this pgm, VSNT, against the total time fluxes and the subsum fluxes put out by the earlier 'new' versions.

They match exactly for jkey = 0 options.

More tests are needed for jkey = 1 & 2.

IAVLEN is exclusively for subsum criterion time sets.

IAVTIM now performs the subsum flux on/off switch

I now have one program VSNT, which does total time or subsum fluxes while maintaining the solar exclude criterion checking in the 'old normal' program's subsum flux calculation segments.

Must test jkey = 1, 0 comas and jkey = 2  
w & w/o IAVTIM =, ≠ 0

These changes have been relatively simple.

as far as coding, but difficult as far as seeing logically how to do it in FLXPSS  
 Plot P10V102 request of John w his data / revised data

Jan 24 2:46 - 9:15

John not in today

FRED phone mail to make grad fluxes of yesterday, plot (H, He 10/14/94 - 12/31/94 spectra)

deliv

deliv

for V1, V2 ox - adapted address list to handle these data in mcdv1006, data (48 addox). Should do a fancier pgm to take spectral input, ran jobs & fixed results.

Asked Henry to check w Claudia Brevard re HP toner cartridge

Asked Henry to backup his important stuff

test JKey = 2 Iavg = 1,0 Iarmun = 720 diskvnt

added 4 flux boxes to card sets

\$RNEXC3

Iavg = 1

subsum fluxes

\$RNEXTO

Iavg = 0

total time fluxes

{ with valid flux criteria

CRTT ---

TOTT ---

have flux criterion

same as

BS TT --

~~BS TT~~ TOBB

have high flux criterion

compare old 'normal' program

JKey = 2

Iarmun = 0, 720

\$RNOID & \$RNOIDTO

OL BS in

OL ~~BS~~ in

All fluxes are reproducing & pgms behaving as expected for the end 73 time period

pgm output listings look OK for flux calc code entry, messages

## Testing time history

gkey = 0 (armen 720 (args 1,0

THSS  
THTT plotted

TSSC  
THTC plotted

These should match the gkey = 2 73 data tests  
- They do.

Jan 25 2:15 - 7:20

Lockwood called -

Fmcd - make PF grad + spectrum 9/26/94 - eod.  
(1/15/95)

redid grads + asked john to make PF dataset for  
see plot.  
Deliv newace plot  
1 list of grads PF  
1 list spectrum

Nancy called - I resent her tape remake  
mail from mf ben. save.

ran tests for diskvsnt gkey = 0, 1 comb  
8 jobs w/o criterion applied + plotted

~~Comb~~  
need to insure I run the drc3 pgm  
as "old criterion" no variable at end  
of clist command line  
old = tape fluxplot  
new = diskvsnt

✓ 1/27  
+ 10 m

Jan 26 5:10 - 7:20

found another data generation error from staring at the  $zkey = 10$  spectrum test plots. IAVGS=1 was off by one column on input card - redid + discrepancy went away!

Still don't understand 2 H points of TPOSC (valid flux not set) vs disk vsn data. Why are they different?

Test of disk vsn vs EXC3 should be same results for sure

Jan 27 3 - 9:20 + 10 m of 1/26

Vanessa Davis reads dates on paper storage manifest Ran above test. There are flux differences in most points in the 2<sup>nd</sup> decimal place.

Error bar behavior is similar.

I used valid flux criterion. I can't explain why they don't match exactly, since (presumably) they are reading the same data. Some number of records. <sup>checked criterion p.0 + there are differences in ~60% of 12 w/pds T/F</sup> Checked SORT52 and there has been production on reel 33 since I put it to disk. Reput to disk, <sup>reels 32, 33 and also did 34</sup> recompiled disk vsn resubmitted Test runs (2).

←  
 $zkey = 10$   
+ tests  
IAVMIN = 120

Yes! data is exact match now, this explains the other slight

discrepancy in TP plots of that time period!  
vs disk input data. Rebuilt diskusnt

Adding documentation to \$B\$DIR of fluxplot, diskusnt

downloaded new flux8r32, 33, 34 to  
local storage.

- need to move I8V jobs to disk in Ptape. data  
work

put on  
1/26

Jan 28 8:50 - 11:50 from home

~~removed <sup>system</sup> ~~network~~~~ modified incord calls to  
use FORTRAN routines of hands incord. + tested  
made a setdeb idea for local replacement

ran diff from vncrs against the other FLXPT2  
local + tried to see if there's any problem  
with a save I remember happening Friday  
nite when no save should have happened.  
Nothing found.

Made one change to a FLXPIN~~TO~~ statement  
setting I RANGE according to IAVTIM, rather  
than IAVLEN. + Double checked some FLXPEL  
and FLXPA logic concerned w frange to make  
sure it was operating OK. It was.

Jan 29 3 - 4:35 at Oddard put on 1/25

Checked TH listing w 12 bins - seems OK  
Thinking about how to eliminate

extra data entries in listings + FLXPT1  
which occur because we can't POSN to correct  
starting point, but must read thru.

Jan 30 3:05 - 3:20 4:20 - ~~10:00~~ 11

talk w Nitya about John's work. He thinks  
I should specify the local plot  
effort in steps.

Are there any small pgms  
left? to part.

Worked on "John's work" - wrote  
month, /misc/ johnwork. / local plots.

+ mailed to nitya, John, nand, pam

rethink<sup>(again!)</sup> + looking at work - writing - took  
this whole day!!

Did not hear from Vanessa Davis so I left  
another phone message + told her about  
the email and John's phone #

V<sup>21</sup>  
-1.5

Jan 31 3:15 - 9:20

Vanessa Davis called John but nothing was  
accomplished. - John says he did not receive  
my mail of last Friday. I sent another  
copy. I called her # 69793 +  
someone else answered - I left a message asking  
her to call John tomorrow again. I left the  
manifest list on John's desk.

Nitya said a person Stan Brown is  
interested in our Shaster term  
work. He asked me to list some.

things. I called + left Nand a message  
to call but he never called back.  
Began working on list + basic background info.

Feb 1 4 - 7:40

was 1/2 for 1/31  
was some sick leave put 1/2 extra from  
217 here

Typed in what I wrote yesterday. Nand came over  
& we talked about my list of things for  
the new person and about John's situation.

John said nothing about Vanessa Davis

Feb 2 day off

Feb 3 1:10 - 7:40

Imp meeting + then discussion w Bob 1-5  
Nitya asked for revision of Starwork list  
Computer has pblms - reboot of vol 386 comes  
up single user w failures. Paged Rob

Feb 4 2:30 - 6 7:45 - 10:45

Lockwood request  
all data localized → LOCKWOOD.newdata  
week report.

did not get nitya's mail - asked him to  
resend.

Feb 6 3:30 - 10:30

sent Swame Authorization Sheet + FACT SHEET corrections + an e-mail.

Rob's mail requesting documentation on when we received storage units. I checked + my log book states we received them ~ Feb 2, 1994.  
 \* I sent Nand e-mail to voyers. Could not find copy of that email. Left phone mail for Nand.

Nitya / week work discussion  
 - \* send him a copy of Candey summary on CDrom get from Henry

Fmco called. he'll come tomorrow & review lockword stuff

Read Nitya's comments on initial Stanwork list

- Think about a flex vsn (disk read) for Henry

made ~pam/impfixplot

& initial compile. Makefile

Having some ~~fix~~ w a couple of routines, but the rest are good.

Feb 7 2:20 - 10:50

put extra 5  
on 211

Redid LIST1 → rntya1 mailed to  
rntya.

Put Lockwood stuff together & mail of  
lockwood.data + mailed to him.

left phone message.

downloaded lockwood.data to sun

got glyplot working to debug - it  
is having trouble opening file.

Im giving ~~path~~ ~~with~~ backslashes  
in it - left phone query for Rand.

/T/ must be /.TRUE./

& must specify logical variables as F on  
input cards (can't leave blank I guess)

have not done IFFE. yet in places where  
it will be needed.

Feb 8 4:18 - 7:35

Jack Lockwood acknowledged getting his data  
& MCD phone request  
v1, v2 #, He spectra 2/22/93 - 6/1/93  
fixed 4 pages

dellia

Fmcd phone req.

PF8TT  
\$PF87

P10

std. pd 77-78  
1987

12/4/77 - 2/27/78  
7/1/87 - 12/5/87

run recently ~ 9/15/94 - ~~12/15/95~~ 1/15/95  
(all data statistics gradient run)

H He

~1/3 of top of page

use hydrogen  
between

~~XXXXXXXXXX~~

try Std2. backup to 8mm it finished

↑

→ subbed P10 jobs on mf

set up initial model par file for  
side by side setup /mcdimp26/ twohoriz.par

Feb 9 3:15 - 7:15

got PF data (3 times) to Ace after check  
on bckcor see PF95AT, BT, CT in  
MCDV1006.data

put to .mcdimp26 after renaming old one  
to mcdimp26.2/

made final Ace /plotted local and put  
ps file to AIX.umd.edu + printed

Fmcd got local plots,

mcdimp26/ptwohoriz.n.par

debugging fixplot

Feb 10 2:20 - 8:55

FmCD called in / faxed in request

faxed to Rita + Stan

debugging plot slowly

made std. storage. voy1 & read back ok  
voy2

accidentally logged onto voy 386 as pam -  
tested LSPF + tcc + they work. Also  
my TN3270

got messages on voy 86 about std  
failures

back on voyers exit of windows  
left me with no cursor - then  
voy 386 is also not responding -  
so I shut stuff off without  
waiting to reboot voy 386

Feb 11 at home 4.5 hrs on FmCD request use 2.5 on 2/9

Feb 13

~~2 as makeup of 1/2~~  
2 as makeup of 1/2

2:30 - 9:30

looked at Henry's questions about differences in  
box counts from old + new phab data - his  
compare job says med data is the same

Converted FmCD data from weekend  
for Ace + downloaded to  
/26daydata/mcdv1007

deliv

made 57 plots  
put v1, v2 26 day avg for this data to voyces  
& printed (5 pages)

some hot energy bins are not exactly  
what he wanted, so may need to return  
to get 1.8 - 2.6 better

5 dm v avg

$$a) \rightarrow g) = 7 (x 3) (x 2 \text{ sats}) = 42$$

$$\text{daily} \quad 3 * (2 \text{ sats})$$

$$\underline{6}$$

48 minimum  
plots were  
expected

I plotted some additional for  
problem data (y limits, odd 5 dm avg. eliminated  
error bars)

note

{ This FmCD request took all of today (6.5 hrs)  
except ~.5 hr on Henry's and 4.5 hrs  
on weekend

x15"

Feb 14 3:15 - 10:30

FmCD will be here ~4 to pick up stuff

deliv

9 plots  
he requested pen rates plotted - I made  
runs & got to local & plotted - made  
ps files at his request and FTP'd them  
to MD & printed there

Nancy Smith called SMT 16 are ready  
 SMTB01 SMTB04 SMTB07 but FLEXTRANS  
 nicolas

She wants me to check her jobs

Looks OK - ask her if I am to remake

\* the EP names - hers were SMT601,4,7

I copied them to disk using the SMT names  
 (will rename after)

Henry & I worked on my fread problem.

We can get a small main prog to open  
 and read records from the right (non local  
 directory) storage devices! so why can't  
 the big program?

tried FOPEN in FLEXPMT - no difference

fLxpbx call commented out in  
 FLXPINTO.F

FLXPEL taken out temporarily +  
 replaced in STABB.F

getting nowhere on this segmentation error!  
 main! fails as well.

hooked up Std-Storage.voy3 but  
 %o error on read do I need a  
 manual rewind? this attempt to  
 read hangs up voy386 for a time!

Feb 15 2:30 - 7:50 + 1508 2/14

debug w dbx tool helped even in my limited experience.

KcLc had wrong # of args for Nands local!

Also Pdump was a dummy w 5 args!

Wrote a prelim pdump to work like dirfix2. Yes! pgm is behaving like it can't find eof because it is EBCDIC on tape and ascii in Sun pgm!!

Great! fix up + go on!

also word 5 of my Pdump request is a real # & will need conversion with IFFE

Nand came & we talked about personnel situation and the Slowness of AIX.umd.edu

Feb 16 6-7:20

+ 10 min + 2 hr of 2/20

Fmed request by fox  
started

updated rung26 at Fmed request

Feb 17 3-10:10

interviewed Mike Rao w Netya +  
after talked to Rand w Netya

began work to get 5 PF jobs output  
of yesterday to Ace format.

Background corrections were for the  
same times exactly as  
MCDV1003 (CORFLUX1, 2) (BRMODU  
contained 30-56 MeV H point fluxes)  
linked correction from sub-dist (LBKGRND  
& ran (RBKGRND) after esa updating.  
lost network so went to dial-in.

got data converted for ace & CNUS in  
fujii data but can't get data  
to mainframe because of net pblms.

Note - if we had a PC window, I  
could have kermited the data to 3 1/2" floppy.

Testing FNUA PLOT - with gkey 150

I got another open on FT31+32  
 \* fix this do once per card set only.

\* Also got open of same file - should  
 this stay where it is + just continue  
 It does re-read to the right pick  
 up place.

Feb 20 5:30 - 9:50 4 hrs 20m put on 2/16 Ltr 10 min  
 put 1/2 on 2/22  
 put 1/2 on 2/23

Came in to work a little to replace  
 short day - last Feb 16.

Fmcd phone mail making enquiry about his plot.  
 Got data local + tried plotting. Tried deleting  
 points like his original diagram - the delete function  
 needs more precision to not get the wrong point!

(30-56 region of H + He)

Faxed him examples and put a ps file to  
 AIX + printed.

Fixed open of FT31+32  
 decided to leave fixpt re-read of same large file  
 at jken 0,1 ~~exact~~ as is for now. It is the  
 way the old code flowed because tape could  
 pass to correct file. This issue needs more  
 thought (esp also with Henry's individual intervals  
 if implemented for FLUX data)

delin

Test run | spectra | 1 min 10 sec [3.26 day pds]  
 | daily avg of box 30 + 409 | 4/1/94 - 9/20/94

McBure sent a note summary today - Has Henry shown him more data? Looks like I may have to get involved.

{ this run did not end properly at end of  
 { tape/file. Got thousands of % errors!  
 { FIX

Feb 21 12:50 - 7:28

Talk to Henry about Bob's mail. Got stuff from him for my personal study

interview Stan Brown w Nitya

deliv 1/18/93  
 1/18/93  
 Fmcd } <sup>by mirning tomorrow</sup> phonemail requesting std 26 day data  
 plots } 18, v1, v2, P10 for 5 std quans each ->  
 24 plots + ps. files -> are und. + printed  
 left phone message (~ 4:30 - 7:15 this took)

Nitya brought interview evaluations for me to fill out.

Feb 22 2:30 - 7:30 + 1 1/2 of 2/20

wrote interview evaluations

Fmcd called + will send some periods for me to make spectral data for Fujii

working on % error message handling to prevent looping in unix amp plot

2/23 2:45 - 7:20 +.5 of

work on inplot a little more. Its producing data in th + s mode now.

began on fluxtrmm

began organizing intro material for Stan (if he comes)

2/24 12:30 - 6:30

Meet w Bob & work on IMP after meeting discovered another place which needs thought (was wrong in standard production GENPHA) at process of PHA + use of LEDFORCE { it needs to be correct about on/off because in SUM macro a precedence is used. If et rate is  $> 0$  then on/off code is bypassed in SUM. A similar branching is really the correct thing to do at LEDFORCE use an old pgm, too.

+ FMCD large request for Fujii received

\* { For Fujii generalize driver to allow card replacement  
perhaps use  $\$RADI$  type driver  
with S for spectrum flux submit and M for 'gradient' card set (which was a mod of our modulation bin sets)

Feb 27 2:45 - 11:45

developed fuzua. data for large FmCD request (Got fax w 18 + PF times today from Diane)

\$\$ Driver drives all work

used doydate to produce driver base. Imp can be done in analagous manner, editing a model time card with a flux criterion, but doydate should be modified to write 3 char months as Imp needs.

use rna an lb. dist to decide whether runs are flux submits or getdat/proplt or CNUS type work

submitted	M (= fuzua G probably)
36 x 3 jobs	S spectra from fuzua. data
	G (std FmCD type gradient fluxes)

IS Flux tape E06266 is missing?

\* fuzua methods should be used to generalize my FLUX PHOT jobs with \$\$ Driver type engine. Esp for imp8

17

32  
26  
31  
4

⊗

+ 1 hr 15m  
put on 31

Feb 28 2-9:45

continue Fmed work -  
in getdata 2 step

discovered that some FT31 + FT32  
names conflicted + were not catalogued!

IIA vs II sets etc in mnemonic naming  
A, AA type systematic naming.

6 (V1 + V2) time specs. for the IIA and II  
type mnemonic names were resubmitted for  
the m, s, G runs => 36 jobs rerun to be

safe.

will redo \$copy step and then organize  
✓ \$\$driver to be current + not confusing.

then redo getdata2

II and II2 names in FT07 data should  
be equal, etc

made 's' only in CNVS for ace.  
+ shortened their names, writing them to  
c6 data (M+G to plot data)

C6 ace is dataset for downloading

Redo I8 G runs (no box 30 as box 1 for fluxexc3)

having trouble w default space &  
directory allocation for copy to  
Temp packs initially.

CNVS fails at V2TB processing

because system has card input dataset!  
 (this is another case of them interfering  
 with me for backups probably - if the  
 computer runs all night why can't they  
 defer their backups?)

To do for IMP

Need to copy G FT31,32 onto PDS  
~~running~~ pre allocate  
 go get data for IMP  
 need to CNVS S18 data

[do runs requiring EQ6266 when it is available]  
 try local runs

To do for Pioneer

background corrections

CNVS

March 1 3:15 - 7:30

$4\frac{1}{4} + 1\frac{1}{4} = 5\frac{1}{2}$   
 of 2128

finish CNVS & download to plotdata/speeddata/C6Ace  
 normal listings are in <sup>phys2</sup> C6data

Saw some points I wanted to check out, some  
 missing were OK. Need to run U2

U2 V5 + 11 periods looking for blip or exclude  
 check

plotted all curves V1 (10) V2 (12) PF (10)

P + He 2 Stack

{ output all P10 jobs MCD can look at  
 } grads from FT06.

He called + said he would come Friday +  
 inquired about monthly stuff.

Nancy J said she will put blank E06266  
and I can remake from disk file inptape.data

-10m

March 2 2 - 7:20

Ralph Post helped us to move FRC boxes  
to bldg 99 Henry has 1, but we moved  
44! Also, one or two needed the special  
tape.

got 18 available data local for plotting  
faxed FmCD Plots of yesterday, he  
wants to reverse some V2 times.

in pursuing PF background corrections  
I found no entries for 1989 in the  
Standard 30-45 45-56 datasets.)

looked for the names where that region  
was broken into 3 bins, which K. did  
for a while & they are not in the system  
anymore? Did I ever localize them  
into a PDS ?? (on mf.) They are not in cfmgr or  
cosmicra local.

lost network to grubbs suddenly at 6:10 PM  
it was back up ~ 10-15 min later

apparently the comments added to  
my INCORE work were lost -

need to redo the table from  
SACC useguide into  
the implxplot

f 10 m ✓

March 3 4:10 - 7:20

In pursuing PF background corr. for 1989,  
discovered pd III + pd IIIA start year were  
wrong (89) vs (90). Charged + resubbed 6  
jobs. Called FmCD + left message. Put data to local  
for plot. Printed PDS for listings

In using Johns grey folder which has his guide  
notes, discovered that SB#VG.NWENCY.FORT  
is the pgm which changes volser names to  
consolidate to start when 999 is reached.

I had not previously put this to rcfgrms. I  
did that now.

\*  
\*  
Kung wanted P-11 tray data + says there  
is an error starting June 10 90 → → 1992  
in the CELLTP (at least). I need to check

Found where DBG + list job is in LIB.WTL  
over →

Kristina hand logbook #2 of background  
corrections, which John is using still, started  
in mid 89, so I have some info = we were  
using the 3 bins 30-40 40-47 47-56 then.  
I didn't see Book #1 (sent that green)

talked to John. he is ready to relabel.  
Ency which have been reassigned.  
I need to put correct face labels on them.

\*

Also, Two edrsave jobs abended - need to make log lists to check where he is at. He thought all he needed to do was run Encgens to complete Voyager.

did Nancy get E06266 to TLS?

Check on P-11 Tray  $\Rightarrow$  it is P10 which has jump  $\sim 1990-1992$   $3 \rightarrow 25$ . Also starts w minus # - is this possible?

Check mainframe daily:

OFTRAJStart  $\rightarrow$  seems consistent with data in 10<sup>th</sup> day until the jump point.

OBTRAJ also starts minus, goes thru zero to pos + is at  $\sim 15$  in 1991.

March 6 3:43 - 10:45

remade E06266 Imptape data (\$Remake8)  
 submitted Fmcd request S+G jobs which couldnt do before  
 Andrew wants let B matrices V1, V2

C  
 B  $\sim 17$  med/m or less L1 VSL3  $\sim 8$   
 ↓  
 He  
 H

see medtrky.data ~~BU1~~ let87 excc  
~~V2~~ let87  
 letmatz emp16

93-95  
 $\rightarrow$  95

submitted 1987 medtrky.lst  
 (mcd says 23 at +  $\sim 4 \rightarrow 16$ )

A jobs

\*



3/19-6/16  
6/15-9/19  
9/19-12/15

**SAR**

SCIENCE • APPLICATIONS • RESEARCH

Pam Schuster

From Kristin's Book 2  
background corrections

PFA53 6/6/89 - 8/20/89

30-46  $7.664 \times 10^{-6}$  ( $3.794 \times 10^{-6}$ )  
40-47  $8.469 \times 10^{-6}$  ( $4.789 \times 10^{-6}$ )  
47-56  $9.672 \times 10^{-6}$  ( $4.463 \times 10^{-6}$ )  
30-56  $8.698 \times 10^{-6}$  ( $2.510 \times 10^{-6}$ )

PFA54 7/28/89 - 9/24/89

PFA55 8/23/89 - 10/22/89

30-46  $7.13 \times 10^{-6}$   $3.91 \times 10^{-6}$   
40-47  $7.61 \times 10^{-6}$   $4.82 \times 10^{-6}$   
47-56  $1.052 \times 10^{-5}$   $4.93 \times 10^{-6}$   
30-56 NA

PFA56 10/14/89 - 89/12/10

E2  $8.468 \times 10^{-6}$  ( $4.359 \times 10^{-6}$ )  
E3  $7.412 \times 10^{-6}$  ( $4.955 \times 10^{-6}$ )  
E4  $8.357 \times 10^{-6}$  ( $4.535 \times 10^{-6}$ )  
E1  $8.432 \times 10^{-6}$  ( $2.672 \times 10^{-6}$ )

PFA58 12/15/89 - 2/25/90

$7.66 \times 10^{-6}$  ( $3.71 \times 10^{-6}$ )  
 $1.05 \times 10^{-5}$  ( $5.28 \times 10^{-6}$ )  
 $7.66 \times 10^{-6}$  ( $3.891 \times 10^{-6}$ )  
E1  $8.876 \times 10^{-6}$  ( $2.48 \times 10^{-6}$ )

produced ACC format data from IMP runs & downloads  
Plotted new PF III IIIA times w III B  
" I 8 full figure + faxed these to FMCD

\* have not background corrected any PF data  
yet, but have put data into \$BERCOR and have  
above list for 1989, 2nd half

MCD says just use 30-56 bins w r t

\$\$\$FTP should FTP his data to air. Sent  
him mail asking if he can logon there

made SB#PR. LIB. CNTL (TRJCL) to list  
PF + G trajectory info according to  
member TRAJCT

made listings, dails, + put in prntray (...CHK)

\* mail sent to andrew + ts, for runc@ux asking  
them to look at values

Did not make 10th replacement for P10F

Noticed local pioneer efgmgr. didnt have  
libcont libdist libdate members?

put these to efgmgr

also read SB#HP. LIB. CNTL

Checked V1+V2 prod status

95044 files have been saved + emcgen'd  
need merges.

95051 files: I retrieved them from JPL +  
made GSFC files.

looked at Johns MCP. Menu 6 other

ran → offers option to FTP to mainframe

ran → then tape menu edits REBI type JCL

LOG says last V1 used GSFO07RE  
V2- GSFO16RE

I need to review how to edrlog - in tapes

+ editscan.  $\begin{matrix} V1 & 8 \\ V2 & 17 \end{matrix}$

\*\* For Fujii mail need P-11 high le, high H  
26 day avg  
1974-77

+ 10 min

March 7 3:30 - 10:10

Nand called about Voy meeting in 2 wks. He will need some plots made for possible put of our data to WWU.

V focc labels done

Rmvedr + edrlog done

remove only the edr tape which data has been written to. LOG B & ente is "removed"

then edrlog ~~RETCR~~ MARECRGSFOOS

use PC

ran SAVES

ran Editscars no records flagged

ran ENCGENS data OK

put makeedr output to voy prod (EDRS ~~off~~)  
putting SAVE + Encgen output to

XRPAS.VOY PROD.DATA

tape librarian x 6-6015

Marty.bonrefond@gsfc.nasa.gov

28NCB@gibbs

Andrew al36@umail.umd.edu

ning ning@ayx.umd.edu

put in names.txt

ran Encmg (4)

backed up LOG

Modified TLS lists to write unit 10 to voy prod if XRPAS is using.

deliv

Sent mail to John, hand + me giving production status.

tried submit monthly runs P/U/I segment. It asked for a start time + stop time. I guessed 1/1/95 as start,

note

For Imp I used 10 Oct 95 → 1/27/95  
 Clust did not ask me for an exclude criterion  
 flux. He used  $3 \times 10^{-4}$  also didn't have new  
 key card at 1/1/95

Need to investigate how monthly spectra are specified.

in 'SB#11A. All 26 day data'  
 \* noticed VOY1F1A did not have the 1/27 point as  
 others did?

→ all output went to class A?!  
 some came to X. I output them to study

John is using FLUXRPT

output from FLUXTWIN ↓  
 SB#VG, McDONALD, MONTHLY DATA (mem)

tr, 1/1/95 - 2/22/95 (320)

note

Voyager 226 day started in 1/1/94  
 Voyager 1 was 95/1/1, as I had typed?

Need next series # [90] 12/5/94 - 2/22/95

Append function deletes all points of BYR and appends what monthly stuff has produced,

March 8 1:55 - 7:35 +10 from 3/7 + 10 from 3/9

redoing for Andrew. Boxer matrices w origin change option. OX should be most abundant, then N. C may not be much B is below that

V2 AS23 L1 vs L2 y<sub>max</sub> ~ 512 y<sub>min</sub> ~ 96 possible 25% more safe

L1 vs L3 y<sub>max</sub> ~ 304 x<sub>max</sub> 480

L2 vs L3 0 - y<sub>max</sub> 512 x<sub>max</sub> 480

Series 89 L1 vs L2 y<sub>max</sub> 560 y<sub>min</sub> ~ 96 max 480

11/9/94 - 1/26/95 was last

3 0-304 480

3 0-512

→ these need new counts like Pro

do fuji background corrections & PG 26 day data he asked for

L1 vs L2 no PHA analysis

-1 vs L3 looks OK but no fold back better stats than V2

L2 vs L3 messed up but he may be able to see some events

L2 vs L3 L1 vs L2 looks very strange only see fold back?

do I need to request data differently?

L1 vs L3 skins OK

L2 vs L3 "

L2 vs L3 L1 vs L2 OK 560 x max

L1 vs L2 messed up

L2 vs L3 also L1 vs L3 may have valid data

L2 vs L3 messed up as for L2 vs L3

deliv

Decided to just keep x4 for him.  
50 pages copied + faxed to Andrew

monthly analysis menu  
spectrum runs

SB#PR. FLUXPLOT. DATA  
SB#PR. FLUXPLOT. TWO. DATA

→ 2MJOK. LIB. CLIST (RMD5)  
deletes datasets  
of series user inputs

this option also asks for background correction runs

note → the option submits SPC name jobs, all the same name, for P10, V1, V2. But in the same job line up were the COR jobs for PF. This will get job failures because of tape use conflicts! (If all submitted in same run class) (or an evening) check if option does updates to the 8 flux catalogs:

no! I found SB#PR. LIB. CLIST  
\$LMKRSP which compiles & links  
\$CLIST which makes flux cats

note → menu system does not have a branch for this.

Wrote \$\$DIR of vopprod. data + put a copy into SB#V6. LIB. CNTL.

This is a production data how to w notes on MCP

Nand called & asked me to find out how to get a ps file from command line of ACE.

Done. mail sent to all.

see /plotdata /gvrwin

March 9 2:30 - 7:10

Does Fujiu oxygen data need correction  
 didn't we do this last fall? left  
 phone message for FMCD and for  
 approval of EOD in 26 day averages  
 which Fujiu has requested, and for  
 Also The P-11 high  $\alpha$  & P - we  
 never finalized the recalibration - wouldn't  
 that need to be done + 26 day averages  
 regenerated to send them.

finished member w PF background info for Fujiu  
 put fujiu 26 day data into fujiu\_senddata  
 renamed fuju2\_senddata fuju2\_mDATA +  
 setup/downloaded it to 412 /fuju95/  
 subdir fuju2mdata. The oxygen in these  
 data may need correcting as mentioned above.

put P11 tray + correction area of P10 into  
 fuju95/

wrote \$\$\$ REPLY mail for fujiu which I'll  
 send after 26 day data & ox redox work are ready, (if done).  
 Must delete like named PS files before  
 all  $\rightarrow$  PS file. If file exists already - a  
 partial widget came to window which I think was  
 asking for write over permission.

July 79

Hem

March 10 2 - 10:30 put 1/2 on 3/9

Dr. Lockwood phonemad request for  
26 days 30-60 Med H U2, U1, P10 from  
1965 - 1988 <sup>thru</sup> 1985??

\*

I called him w question about start time  
I called FMCO & left phonemad question whether  
to send that data.

production:

voyager series 058 → Edit scans from JPL

made voyprod.cntl + way to save hold queue  
output into voyprod.data more user friendly  
for me lib.clist(voyprod)

got getdata going, but it has an abort.  
I + writes out a valid looking spectrum  
file. Dextool didn't show source - what  
I am I doing wrong?

downloaded 2m50k, libclist } to cf/mgr/voyager  
libcntl }  
voyprod.cntl will be my procedure dataset

March 13 day off

v d15  
+15m

March 14 3:30 - 10:15

called Names & answered that (Nand) no, we don't have more  
tapes to release from TSSC..

\*

P-11 73 → June 74 can be done & sent to Jugi  
after > finalize the calibration

yes - correct the oxygen as before

got Lockwood data together 09 Req 95 & emailed to him

To do

1) finish Fuji request

- a) need FMCD answer about cutoff of array for 26 day data he wants
- b) P-11 <sup>26 day array</sup> high he + H which require me to finish the recalibration started last fall
- c) correct the oxygen data as (last fall) or perhaps send fuji the correction method.

phone mail question needs answer **(none)**

See log p96

✓ e)

get new V2 times from FMCD + redo

deduced he couldn't do must with them.

2) TLS checks what happened to all the CEDRs of helos. we can use those cartridge slots

3) Bob / Henry

- a) study Bob's most recent mail
- b) do fix of LEDFORCE parameter for PHA data area (this should not be necessary, but is the safe thing to do)

4) monthly std analysis runs

printed MCDTRACK.DATA installs are combo of response list edited files + TESTM outputs need to study how to continue.

P11 call status:  
 '6 offset too much  
 MCDTRACK  
 PG TEST  
 VA TEST  
 \$SKBPI  
 88, 73, 74 4ms  
 See pg 30 or alpha 2 etc of P10 application



todo  
\*\*\*

attempt to put mainframe aside new stuff to  
unitree says unitree not available.

keep trying

lib.clst(unitree) esis logs on + gets directors,  
list of v2 + v1 CRUISENEW

Set up and ran oxygen correction in PFM, 11  
files of current fuju work.

debi

renamed fuju2.mdata → fuju2.oldmdata  
fuju2.mdata has only new PFM members  
in it.

FTP'd data to arx and sent mail to  
fuju from voycrs (mail file + fuju95)

✓  
+15 m  
on 3/22

3/16 ~ 12:50 - 1:20 use 15 to make up 3/15

in short time mail to fuju on delay due  
to father's death

3/16 - 3/21 4:30 - 6:30  
funeral  
leave

Retrieved from JPL the 95066 sensor eds  
of v1 v2

3/22 4:30 - 7:15 +15 of 3/16

talk to Nitza + Fmed(phone)

begin to review P-11 track work

- ① method should already be in place - should need to
- set offset to .55 + rerun testm/bxgnw

GHETDET  
\$\$TESTM records offsets vs track job names  
\$\$BXGNW  
\$GHPFB v6 install printout

\$GHPFBOL old response lists

\$GHPFBA response list + necessary card  
alpha input to ~~response~~ installh

\$GHPFBAA BXGnew output file for installh  
alpha

\$GHPFBPA proton

INSTHOVR run \$HPFBIN3

\$RSPLST set up for P-11

3/23 2-9

P-11 FLUXPLOT DECS

PGBINS

PGTEST 88/2/15 - 88/10/11

" 73 73/9/25 - 11/25

" 74 74/1/11 - 74/4/15

\* I6,7,8 26 d avg  
1/1/72 - end  
mail

DEFE  
printout

Prof James A. Van Allen  
Dept of Phy. & Astron  
U of Iowa

Iowa City, Iowa 52242

vanallen . data fed ex.  
printed

Bob said use Margie

use 73, 74, 88 times for flux checks

set up and ran: 055 offset iteration  
 installed into pioneer. fluxcat  
 documented in \$GHPFB

subbed 6 flux runs for 3 times spectra +  
 galactic bins

→ I need to finish Genpha work printed SBH/M.V.S.

055 iteration ~~that~~ 136.0 - 215.85 or 270.74

He  $\left\{ \begin{array}{l} 111.93 \\ 464.29 \\ 415.65 \end{array} \right. \quad 181.61$

edit \$SDOYG of MCDTRACK  
 \$\$\$CNV to get ACE → put local  
 plotdata/misc/MCDTRACKSCR is  
 former work location locally

galactic bin modified up slightly & 3 more  
 jobs subbed.

1st<sub>3</sub> output to printer

3/24 2:45 - 9:15

Even Sub wants 100 day + 999 day args  
 I8, v2 high p + he

submitted 2 V2 runs + I8 3 yr run,  
made mail for her. \$\$ mails + asked  
her to make 100 + 999 card sets.

Tried to start pgm to generate this but  
it is harder than I thought to  
generalize IAVG vs flux criteria using  
Jkey = 1,0 combs.

Looked at CenPHA - decided to disable  
main pgm write to unit 9. If Nancy  
sees any led set off message to unit 6,



let us know!

~~done~~ \* \* \* Make sure Fmcd knows we never  
did HPF + HPB when we did

HPF HPFB last fall

HPF from new HPFB is virtually the  
same as old HPF, however (from listings of responses)

HPB was not done (didn't I have trouble  
getting it working from the CIII end)

3/27 2:10 - 9:40

Eunsuk work - made Eunsuk. vldata  
 & put 18 v2100 v2999 jobs there. Ran  
 FLUXTNN + put members there too. More  
 work to make 18 + parts of V2 really  
 quiet is needed. wrote & mail member  
 and sent it to Eunsuk.

Put <sup>I8</sup> Box 30 launch → 1994 end there  
 for her to access + plot.

Fmcd came + we talked briefly about  
 hiring some + work status.

P10 is on. I checked ames for edis  
 but none yet.

I sent vanallen data to Bruce Randall  
 as per Fmcd request. He acknowledged  
 receipt of data.

P11  
 .55 offset galactic fluxes

74 vme H 1.823 × 10<sup>-4</sup> (1.4 × 10<sup>-6</sup>)  
 136-216

75% old ~~125.6-233~~ ~~2.2498 × 10<sup>-4</sup>~~ ~~(2.24 × 10<sup>-6</sup>)~~  
 125.6-233 2.994 × 10<sup>-4</sup> (1.9 × 10<sup>-6</sup>)

92% 181.6-415.6 He 3.347 × 10<sup>-5</sup> (3.2 × 10<sup>-7</sup>)

old 182-428 3.631 × 10<sup>-5</sup> (3.3 × 10<sup>-7</sup>)

89% 181.6-464.3 He 3.241 × 10<sup>-5</sup> (2.9 × 10<sup>-7</sup>)

73 time

74%<sub>10</sub> Hi H  $1.550 \times 10^{-4}$  ( $1.3 \times 10^{-6}$ )  
 old  $2.093 \times 10^{-4}$  ( $1.3 \times 10^{-6}$ )

92%<sub>10</sub> Hi He (1)  $3.122 \times 10^{-5}$  ( $3.4 \times 10^{-7}$ )  
 old  $3.394 \times 10^{-5}$  ( $3.4 \times 10^{-7}$ )

89%<sub>10</sub> Hi He(2)  $3.028 \times 10^{-5}$  ( $3.0 \times 10^{-7}$ )

88 time

92%<sub>10</sub> Hi H  $2.109 \times 10^{-4}$  ( $3.5 \times 10^{-6}$ )  
 old  $2.939 \times 10^{-4}$  ( $3.8 \times 10^{-6}$ )

94%<sub>10</sub> Hi He(1)  $3.972 \times 10^{-5}$  ( $8.2 \times 10^{-7}$ )  
 old  $4.223 \times 10^{-5}$  ( $8.3 \times 10^{-7}$ )

89%<sub>10</sub> Hi He(2)  $3.777 \times 10^{-5}$  ( $7.3 \times 10^{-7}$ )

plotted pg 'z' + old data

plotdata/misc/ mcdTRACKSCR (2) 73 (H, He) old + new pf pg

(2) 74 ditto

(4) 88 U2, PG old new

deliv

deliv

wrote out galactic compares on header page

par pf pg. H. 73 on. par  
 etc

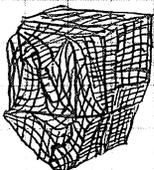
+20 min

3/28

2:30 - 9:20

submitted by PG 26 day avg, but may need  
many excludes. Couldn't find John's  
job of last spring/summer era.

answered Don Smith mail (but could not see  
a filed copy) from memory about Esa space +  
dataset usage.



Work on part of getdata

3/29

2:15 - 7:25

+20 of 3/28

resubmitted P-11 - forgot SI cards + FT30 specs

Continue getdata debug - it is getting  
a huge FT06 output even when I don't  
write to FT06 (main part of code).

Does fread do some dumping? Even so,  
I only have ONE data record!

+1

3/30

1 - 6

getdata help from Rand - as is.

INCORE stuff write(b,\*) FROM  
character\*(\*) can not determine  
length apparently. Check SUN  
implementation

✓20  
+25 m

Mar 31 1 - 8:55 Use 1 for yesterday

Imp meeting (put on yesterday makes)

Fmed lost the 2D let plots I  
made ~ mid Feb. Remade them  
/MCDV1007 of plotdata/26daydata

couldn't fax because there's no receiving  
left phone message.

finished debug of getdata

did initial part of fluxtrans +  
got make done. Need a th type  
file from fluxplot next. & to make  
local card input and exec.

deliv

April 3 2:05 - 8:35  
faxed to Fmed 13 pages let<sup>2-D</sup> data, avg<sup>H, He</sup>  
Working on a way of reading P-11 FT06 +  
making the 26 day data for Fuji  
Moddy mcdCAL62 (getFT06) if appropriate  
(mcdPLT03 (mergep) mod)

April 4 2:10 - 8:20 + 20 m of 3/31  
sent Cooper mail on nssdc update  
monthly for march

sent fuji mail that I have not forgotten him.  
debug of GETFT06T is progressing

[ 73 - mid 74 P11 ok now

April 5 12:50 - 7:20

got GETFTOBT working for the NPOINTS case I produced only. The IT parameter handling would need work if NPOINTS varies. My data was npoints = 1!

*deliv* ~~EM~~ Plotted old + new P11 data. My new data should start from 4/15/73! Sent PS files to MD + printed there 3 comparison plots. FMCD says I can give fuju 73 - mid 74 now, but I need to redo to get the first times.

*deliv* fuju requested old M data and 18 spectrum data. I put these to ALX and ~~sent~~ <sup>pre ok corrected</sup> him e-mail.

Bruce Randall mail -

Studied FLXPLOT code in FLXPA and FLXPSS to answer about how averages were done.

to do \* redo P11 start 4/15/73 → mid 74

Apr 6, 7 days off

April 10 2:20 - 8:50

Fmcd called + wants copies of the Fujii spectra  
I made before -

Also oxygen spectra - plotted w Ace  
V1 + V2. Specdata / c6 data

~~replotted w Ace~~

had copies of Fujii period H, He spectra

Submitted PG times Fmcd OK'ed for 26 day avg  
1st 2 pds in 73 need exclude work

Submitted V1 + V2 R jobs for OX full  
spectra

processed ox job output for ace - downloaded  
to specdata / RACE and / rdata (listings)

plotted (9 pages)

fixed 32 pages to fmc

deliv

edited fujii PG data according to Fmcd  
valid time list + resubmitted FLUXPLOTS

put final members together fujii.data26  
on mainframe. downloaded to AIX and  
mail to fujii.

deliv

Submitted 12 hr P11 run for 73  
got additional excludes (from high energy band only)

Submitted new job after putting SE into  
bin cards data (SEDCPG)

✓  
+ 10 m

April 11 2:15 - 6:25

deliv

put quiet fix of P11 73 - mid 74 data into  
fugu.data26 + downloaded to AIX. sent mail  
to fugu.

deliv

Fmcd phone request Richard Mewaldt  
gets High H, He + pin rates for I8 26 augs  
Set up mewaldt.data + called him  
for e mail address  
818-395-6612 dick@citsrl.caltech.  
edu

4 distings

Fmcd requested 91 d augs 1993 → eod for  
V1, V2, FF, I8. Setup + ran jobs, FTP'd +  
printed local - output hold queue too.

installed HPFB H, He new into SB#PR FLUXCAT

Set up \$\$ Recall in impflex.data  
for smct 16, 17 + executed  
began 18

April 12 ~~1:05~~ 1:05 - 7:25

+ 10 m of  
4/11

deliv

setup + did recalls for IMP8 SMCT  
downloaded IMP 7 SMCT to SUN

downloaded IMP SMCT. TO SUN (\$17)  
downloaded IMP 6 (\$16)

Set up kntbytv runs to count disk smct sizes  
+ ran 16, 17, 18

began IMP 8 (\$18)

Fmcd brought Scientific American  
 frame & picked up his  
 gradient listings

To do get job output into  
 a dataset for above?  
 (count records / bytes)

April 13 12:15 - 5:45

IMP meeting 1-hr

Henry has a way to put multiple  
 ps plots into ps file

accgr2 script

downloading IMP8 SMCT R20 -  
 loaded to disk IMP8 SMCT R67 (full now)  
 mail to Charke Russel about  
 getting my 8mm tape order expedited  
 (since Tex retired)

Fmcd wanted oxygen added for grads.  
 MCDV1006.data (~~add~~ \$8 addox)

had to clean 10/1/93 period - a rate  
 but in ox only. Added to excludes.

9461948

delin

-β  
-2 1/2 4/14  
-2 4/20  
-1 1/2 4/24  
-0 5/8

April 14 3:40 - 6:35

downloading IMP8 smct completed 67 reels  
trying UNIX sort for byte checking

Nand came over + showed the Voyager Mosaic page.  
undo the nssdc submission add!

+10m  
to 4/24

April 17 1:20 - 8:30 use 1/2 on makeup of 4/14

got cooper response re NSSDC mistake. Forwarded his response to Nand.

page 61 to do:

FL7B09 looked right →  
also FL7B09 → disk  
(file 4 had no blocks)

✓ FL7009 via TPSCNCPY in  
impflex. data

CNTEVENTS

ZISKB ~~to~~ etc  
downloads

DL4 and KTAPE done

~ page 50 datasets to reload  
from CR system etc

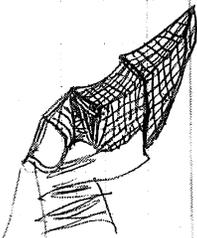
see pg 48 Sept 28

typed in the SACC incore documentation  
incore.doc put into efgmgr/general/  
Source/SUN/commonsource

FMCD

7/1/94 - 3/1/95 OX 8.8 - 18 Mw/n  
P10, V1, V2 called w data  
updated Ring 26

deliv.



PROF 333  
9 month summary  
1 July 94 - 31/1/95  
OX 8.8  
4/14/95

work on debug of FLUXTRAN

April 18 1:40 - 6:40 + 1 hr from 4/24

FLUXTRAN debug  
open of filenames shows no error etc  
but finished job can't see data. Also  
normal UNIX is having trouble  
seeing the names, tho ls shows them  
as there and not empty.

Making no progress here - pgm writes  
to Fort.8 and stdout just fine &  
is working.

wrote  
ntya. bullets in FY95 monthly dir & mailed  
to him.

April 19 1:40 - 7:40

debug of fluxtran is good when  
incorporate islen into output file  
naming code. Reading from cards  
put blanks in, rather than nulls &  
these need to be truncated.

This general method needs to be  
carried into getdata and others too.

rm box30\* + cat box30\* worked  
when blanks were hidden in the names.

downloaded last Flux tape 58 files → mid Jan 95  
& remade sixpm  
ran box30 & 409

now need ace convert pgm local.

\* update cfmgrw commonsourc. Makefile  
to handle ydmd

April 20 2:30 - 8:30 but use 1/2 to make up 4/14  
[cold + sore throat]

did part of gracypf. f. and tested  
on imp box.30 data. generated locally!

FMCD request last 2 26 days 18 pds in  
94-5  
plot as w Aug 5, 94 1718. s2. par type  
of mcd imp 26 plot

deliv  
yplot  
ran on mainframe mcdv1006 data (\$1M 94)  
to mcdimp26.Ø 1718. s2. nnn. par  
& HEI7SI HI7SI

deliv  
printed 9 month oxygen v1006 (ox 9 mons)

ran the 18 spectrum local O<sub>2</sub>?  
options + compared. very close

couldn't get fax to work it wanted  
to "pull" + I couldn't see how to  
reset. left for John to do.

April 21 2:10 - 6:45  
 - debug convert OK  
 - Trying to generalize convert fracyrf  
 getdata and fluxtrna to pick  
 up what they need from env  
 variables

All set to remake all and test  
 with existing execs

may need to add envdir to  
 OBJs in getdata etc (yes)

Apr 24 1:40 - 9:30

use 1/2 to make up 4/14 (9:10-9:30 + 10m of 4/17)  
 1:40-8:10 for today  
 8:10-9:10 put on 4/18 IMP

meet + Henry + Nancy til ~ 4:30

rebuild fluxtrna, getdata, convert, fracyrf  
 ran all execs  
 all successful

wrote netya.sum / ~~FF95~~ + e-mailed to  
 him

upped dimensions: from 55 to 255  
 for under, outdir etc  
 and input/output except

outputs for fluxtrna which  
 were left as char\*8 for row.

pgms write out 1st 70 chars of  
 filenames.  
 open.31 + number warn about

length > 100 for TAR. and > 70

Apr 25 2:20 - 8:50

fix up flexplot to utilize open.31 & envdir  
instead of card read of names

redo makes & reorganizes sources into program  
directories in prep for transfer to  
cfgrmgr.

\* if read in member names, <sup>by card input</sup> always set  
larger character variables to all blanks before  
using in this system or 1.5len doesn't  
work properly. (Before call to member w 255 length  
arg.)

TO DO need to do Make on convert  
need to try getdata, prcrif & convert after  
new builds.

Apr 26 12:15 - 7:15

made userguide for flexplot

finished reorg test of subdirs.

put flexpmn + userguide in

cosmicra/imp need to put criteria there  
to

downloaded some PDS datasets

helped John w. SB#1C PCFLUX  
FLUXplot which he couldn't get  
working.

M

Apr 27 day off

Apr 28 1 - 7:30

meet w IMP group

FMSD request 3/1/87 - 4/1/88 OX . 2 bins 8-18 reg.  
 PF V1 V2  
 (me) 2/1/94 - 4/1/95 also  
 total energy also for V1, V2

(John) 26 d enrg 6-10 He. PF, V1, V2 add to  
 Std 26 d datasets. Make lifetime. Urgent  
 1992 - EOD for now.

made + printed there

Nand asked for nssdc(www) file updates.  
 I made + sent mail after done locally  
 SB#V6. nssdcsub.DAT (66666666)

Nand did not have enough room to  
 complete enrg. data remake for V1  
 voy1 is now 100%

\* finish  
 Monday  
 ==

I compressed 1 dir in voy2

May 1 2:15 - 8:15

got 8 mm tapes

back up WRKI p101 1816 hb17

made cosmera/backups directory

TO DO make /nssdc get both WRKI working stuff  
and nssdc account stuff

began stdl. backup

monthly

making voyz compress files  
to make space on /v011 after a move

May 2 2:15 - 4:45 + 4 from 5/6 + 5/7

Message from Don about use data not being processed. [I thought there was no more Edris.]  
Nancy has been saving only. LOGLIST shows  
1 record/Edr since end 1992, which  
Encygen can't handle. Got loglist, edited, local  
& added hand notes & popped to Don. Edris  
are "1-3 days per month for a 1/2 to 1 hr  
on a day" of data. This may need to be  
done by hand.

Sent TAG mail re Text file output  
from GM scripts.

started backup of /v034

monthly

May 3 2:40 - 7:10 + 2 hr from 5/6  
 monthly, finished + sent  
 triannual begun

brief meeting w Pang & Henry  
 she will make missing 84 Ency data first  
 Henry will mark all missing Ency in DEX52

<sup>V-15m</sup> May 4 2:10 - 7:25 + 1 1/4 from 5/6

triannual

started /vo43 backup (uncompressed V1 data)

copied 16smct to /data (use p102 to start  
 v2 Ency?)

May 5 1:50 - 7:20 + 1 hr from 5/6

received John's part from netya as requested.  
 add John's part (he actually wrote something  
 this time!) to triannual + mail to netya.

made backups /vo2 /p102 /nssdct+p  
 /data Std3+home. vo4386

removed 16SMCT from p102 + began download  
 of V2 ENCY ency.0001 had one complete

\* failure.

began ency.0002 → ency.0004

May 6 + 7 12 hours downloaded +  
 compressed V2 ENCY to /cosmicera/p102  
 directories ency.0005 through 19

15 directories ≈ 150 files 720 minutes ≈ 5 minutes /file which is

night in line. ~ 2½ mins staging ~~FTP~~ FTP at a good time and 1½ mins to compress + do checking work at terminal.

May 8 3:15 - 9:50

back up p102 (overwrite old tarlist imp6smet)  
asked John to develop method for no overwrite!

FMCD: context of judgment of Pioneer CRT being best  
8 outside scientists did independent review of  
Wynne Sampay Voyager Pioneers

MCD prepared proposals for ↑↑ as  
4 write in reviews of

30 minute presentation done by FMCD  
Alan did the Voyager one w FMCD there.

Nancy called

3/84 - 7/9/84 we have

7/10/84 - 10/25/84 Decoms + ENCYs both are  
missing

checking v2 file lists to notate missing ones

ran std1. home. voy 386

\* Can't get into Nand's account via ftp to drac  
as he told me.

began creation of FLEXPLot for local

May 9 2 - 8:05

Nand clarified getting onto his drac +  
I got the 2 missing v1 ency.0001  
files local.

Made ringdaly.data for daily, let data  
(see mcdv1007.data) of Voyagers  
Called FmD & asked if he wanted an  
update.

Updated these into mcdv1007.data  
later in day. end date is 4/16/95  
and into ringdaly.data

got flexplot running & testing now.  
Stuffs.f has hard coded directory  
for flex / flex data. Need to do  
from env, I think.

subbed 2 mf jobs like SpecBox1 &  
SpecBox2 to compare p.o. to local

May 10 2:45 - 7:20 + 2 of 5/6+7

debug flexplot

May 11 2:05 - 7:20 + 15 m of 5/6+7

(VW)  
Lend

making spectrum to help w freq = 2  
debug.

May 12 1:05 - 9:35

IMP meeting Jul 3

debug spectann done.  
ported to SUN

compressed & moved 18SMCT to /data  
backed up p101 disk in compressed form  
removed 18SMCT files

did not backup new /data

ran Std 3. home. VOY386  
compressed M on p101 (V27 only)  
have space ready for more V2 downloads

moving utilities & execs to  
rcosmicra/general

May 13 downloaded ency.0020-27 of V2

May 15 3:30 - 8:20 + 2.0 over weekend

downloading more V2 & compressing here  
repermissions etc. I tried my PC with  
ftp -i drac102k < FTPCRS > FTPLOG31  
like & this works here.

printed Pioneer & helios fluxes. In dividing  
up flux data I need to be careful about  
where I stop between segments.

PA work

V2 ency 33,4 done late nite Monday at home

May 16 2:20 - 7:50

download V2 ency 35, 36 compress  
make /pio1 backup

PA

wrote Rob response on computer  
move - e-mailed

✓  
-10

May 17 1:30 - 7:50

w Bob + Henry discussed network Decoma  
mf tapes were rewritten UB. with EOF  
marker records between files, and made  
Recpm U w lebcener for download.  
(Blocked by 2, but this was not necessary)

Henry's

dps 8 - 5 / tapes a mod of his local program  
should work to make mf-like  
files.

✓  
+10

May 18 1:40 - 6:50

andrew. data made for OX Study and  
Emco (NING) request of today  
ran one P10 job 4/1/95 - 4/17/95 spectrum

having problems w spectrum changes  
It still is the character(x) problem

May 19 2 - 6:30

finish perf. took to Nitya's office

7/15/23

May 22 2:53 - 9:05

To do: <sup>recent inquiry</sup> Rob / computers status?  
CMTevent port

✓ finish spectrum.

✓ finish locating local stuff for use & cfmgr.



P-10

6 record boundaries

use AFN is OK

empty space 1) even if no data, the 6 records appear

2 of records are fixed size regardless of data present

2) ↳ pulse height data where if you are missing data or had no data there is a record written of the length of the last analogous data that was there.

Reading of 1st record tells how much data is there.

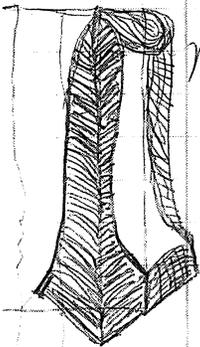
Ring called <sup>NOV</sup>

June 15 - ~~1994~~ 7 94 P10

of MCDV1006

got data for Ring V194T

made rand. data and VI. local. ency lists at his request after I told him about the complete local pathway, and that I wanted to do P10 pane downloads next.



put to ~cfmgr / general

fluxnm

getdata

spectnm

fracyf

convert

~cfmgr / imp

fixplot

flexplot

adjusted Makefiles accordingly, but  
didn't remake

put in ~cosmicra / general / loadlib  
getdata

Made FTB32utils to ACEutils +  
localized executables + input cards there

in both cfmgr + cosmicra

Email:  
Resent the monitor fix request  
and the computer setup request